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May, 2019

**PLASTIC PIPE WELDING TECHNOLOGY**

**ROTHENBERGER CHINA**



## Reliability, Efficiency and Flexibility: Welcome to the World of ROTHENBERGER

Pipelines conveying energy and water are the world's lifelines. Just like the veins in the human body, they guarantee that warmth, fuels and lifebringing fluids reach their recipients – an important contribution to the overall quality of human life. For more than 70 years now, ROTHENBERGER has been supporting all those whose daily work helps not only to ensure that these lifelines reach more and more people, but also to maintain them in an excellent condition: by supplying innovative and reliable highest quality pipetools and machinery that can be found in the hands of excellent skilled craftsmen and on construction sites all around the globe.



Field connection welding machine (φ 40-3000 mm)

ROTHENBERGER Manual butt fusion welding machine

|                                                                                   |                                      |    |
|-----------------------------------------------------------------------------------|--------------------------------------|----|
|  | R110M2<br>R160M2<br>R200M2<br>R200M4 | 07 |
|-----------------------------------------------------------------------------------|--------------------------------------|----|

ROTHENBERGER Semi-auto butt fusion welding machine

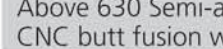
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|-------------------------------------------------------------------------------------|-----------------------------------|---------------------|
|    | R160F<br>R250F<br>R315F<br>R355F  | 08                  |
|    | R450F<br>R500F<br>R630F           | 09                  |
|   | R800F<br>R1000F<br>R1200F         | 10                  |
|  | R1600F<br>R2000F<br>R2500F、R3000F | 11<br>Customization |

ROTHENBERGER Intelligent CNC automatic butt fusion welding machine

|                                                                                     |                                             |                     |
|-------------------------------------------------------------------------------------|---------------------------------------------|---------------------|
|  | R160C<br>R250C<br>R315C<br>R355C            | 12                  |
|  | R250CG<br>R355CG<br>R450CG-R1600CG          | 13<br>Customization |
|  | R450C<br>R630C<br>R800C<br>R1000C<br>R1200C | 15                  |

|                                                                                    |                            |    |
|------------------------------------------------------------------------------------|----------------------------|----|
|  | R1600C<br>R2000C<br>R3000C | 16 |
|------------------------------------------------------------------------------------|----------------------------|----|

ROTHENBERGER ASTM standard high pressure butt fusion welding machine

|                                                                                     |                                                         |               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|---------------|
|   | R250FH<br>R315FH                                        | 17            |
|   | R450FH<br>R630FH                                        | 18            |
|  | Above 630 Semi-auto and CNC butt fusion welding machine | Customization |

ROTHENBERGER Crawler CNC welding machine

|                                                                                      |                             |    |
|--------------------------------------------------------------------------------------|-----------------------------|----|
|  | R315CT<br>R630CT<br>R1200CT | 19 |
|--------------------------------------------------------------------------------------|-----------------------------|----|

ROTHENBERGER Electrofusion welding machine

|                                                                                      |                                   |                     |
|--------------------------------------------------------------------------------------|-----------------------------------|---------------------|
|  | R315E<br>R315EI<br>R630EI、R1000EI | 20<br>Customization |
|--------------------------------------------------------------------------------------|-----------------------------------|---------------------|

ROTHENBERGER Drainage welding machine

|                                                                                      |                |    |
|--------------------------------------------------------------------------------------|----------------|----|
|  | R160D<br>R315D | 21 |
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Traditional product line (φ 63-1200 mm)

Semi-auto butt fusion welding machine

|                                                                                     |                                                      |    |
|-------------------------------------------------------------------------------------|------------------------------------------------------|----|
|  | SHD160<br>SHD250<br>SHD315<br>SHD355                 | 23 |
|  | SHD160-II<br>SHD250-II<br>SHD315-II<br>SHD355-II     | 23 |
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|  | SHD450<br>SHD500<br>SHD630                           | 25 |
|  | SHD800<br>SHD1000<br>SHD1200                         | 26 |

Workshop fitting machine and Cutting equipment (φ 63-3000 mm)

ROTHENBERGER Workshop fitting machine

|                                                                                       |                                                       |                     |
|---------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------|
|   | R315W                                                 | 29                  |
|  | R450W<br>R630W<br>R800W                               | 30                  |
|  | R1000W<br>R1200W<br>R1600W<br>R2000W<br>R2500W、R3000W | 31<br>Customization |

ROTHENBERGER High pressure fitting machine

|                                                                                       |                                                            |    |
|---------------------------------------------------------------------------------------|------------------------------------------------------------|----|
|  | R315WH<br>R450WH<br>R630WH<br>R800WH<br>R1000WH<br>R1200WH | 32 |
|---------------------------------------------------------------------------------------|------------------------------------------------------------|----|

ROTHENBERGER Multi angle band saw

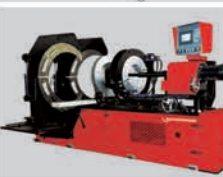
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|---------------------------------------------------------------------------------------|-----------------------------------|----|
|  | R315B<br>R630B<br>R800B<br>R1000B | 33 |
|---------------------------------------------------------------------------------------|-----------------------------------|----|

|                                                                                     |                                             |                     |
|-------------------------------------------------------------------------------------|---------------------------------------------|---------------------|
|  | R1200B<br>R1600B<br>R2000B<br>R2500B、R3000B | 34<br>Customization |
|-------------------------------------------------------------------------------------|---------------------------------------------|---------------------|

ROTHENBERGER Saddle radius band saw

|                                                                                     |                |    |
|-------------------------------------------------------------------------------------|----------------|----|
|  | R315A<br>R630A | 35 |
|-------------------------------------------------------------------------------------|----------------|----|

ROTHENBERGER Saddle fusion machine

|                                                                                      |                 |    |
|--------------------------------------------------------------------------------------|-----------------|----|
|   | R315S           | 35 |
|  | R630S<br>R1200S | 36 |

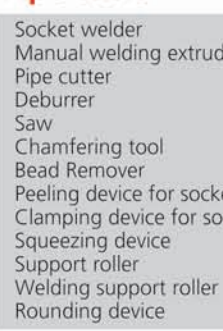
ROTHENBERGER Ball valve fitting welding machine

|                                                                                       |                               |    |
|---------------------------------------------------------------------------------------|-------------------------------|----|
|  | Single/ Multi welding station | 37 |
|---------------------------------------------------------------------------------------|-------------------------------|----|

Other equipment and tools

|                                                                                       |                                                                                                |    |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----|
|  | Manifold welding machine<br>Pre-insulated pipe welding machine<br>Thin thickness pipe band saw | 38 |
|  | ROTHENBERGER Data logger<br>R2000D                                                             | 39 |

Pipe tools

|                                                                                       |                                                                                                                                                                                                                                                                     |    |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
|  | Socket welder<br>Manual welding extruder<br>Pipe cutter<br>Deburrer<br>Saw<br>Chamfering tool<br>Bead Remover<br>Peeling device for socket<br>Clamping device for socket welding<br>Squeezing device<br>Support roller<br>Welding support roller<br>Rounding device | 40 |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|



ROTHENBERGER Manual butt fusion welding machine  
R110M2/R160M2/R200M2/R200M4



Application and Features

- Suitable for butt welding of plastic pipes and fittings made of PE, PP and PVDF material.
- Consists of basic frame, planing tool, heating plate, basket & optional parts.
- Removable PTFE coated heating plate.

Technical Parameters

| Model                                  | R110M2                     | R160M2                      | R200M2                           | R200M4                           |
|----------------------------------------|----------------------------|-----------------------------|----------------------------------|----------------------------------|
| Pipe Size(mm)                          | 40, 50,63,75,90,110        | 50,63,75,90,110,125,140,160 | 63,75,90,110,125,140,160,180,200 | 63,75,90,110,125,140,160,180,200 |
| Heating Plate Max.Temp                 | 270°C                      | 270°C                       | 270°C                            | 270°C                            |
| Temp. Deviation in Surface (170~250°C) | ≤±5°C                      | <±5°C                       | <±5°C                            | <±5°C                            |
| Working Voltage                        | 220VAC 50Hz                | 220VAC、50Hz                 | 220VAC、50Hz                      | 220VAC、50Hz                      |
| Heating Plate Power                    | 0.7KW                      | 1KW                         | 1.5KW                            | 1.5KW                            |
| Planing Tool Power                     | 0.7KW                      | 0.7KW                       | 0.7KW                            | 0.7KW                            |
| Total Power                            | 1.4KW                      | 1.7KW                       | 2.2KW                            | 2.2KW                            |
| Weight                                 | 39KG                       | 46KG                        | 60KG                             | 69KG                             |
| Packing                                | 1 Plywood cases<br>0.24CBM | 2 Plywood cases<br>0.31CBM  | 2 Plywood cases<br>0.44CBM       | 2 Plywood cases<br>0.9CBM        |

ROTHENBERGER Semi-auto butt fusion welding machine  
R160F/R250F/R315F/R355F



Application and Features

- Rothenberger patent for hydraulic station, safe, reliable and more powerful.
- Rothenberger design patent for frame, ergonomic, robust and reliable.
- Powerpac power control unit provides safety and stability.
- Precise temperature control and small deviation on the heating plate surface to apply high welding standard.
- Precise, reliable and powerful planing tools to ensure high welding quality.
- Single inserts as the option to ensure higher connection alignment.

Technical Parameters

| Model                                 | R160F                          | R250F                                    | R315F                                      | R355F                                          |
|---------------------------------------|--------------------------------|------------------------------------------|--------------------------------------------|------------------------------------------------|
| Pipe Size(mm)                         | 40,50,63,75,90,110,125,140,160 | 63,75,90,110,125,140,160,180,200,225,250 | 90,110,125,140,160,180,200,225,250,280,315 | 90,110,125,140,160,180,200,225,250,280,315,355 |
| Heating Plate Max.Temp                | 270°C                          | 270°C                                    | 270°C                                      | 270°C                                          |
| Temp.Deviation in Surface (170~250°C) | ≤±5°C                          | ≤±5°C                                    | ≤±5°C                                      | ≤±5°C                                          |
| Pressure Adjustable Ranges            | 0-6.3Mpa                       | 0-6.3Mpa                                 | 0-6.3Mpa                                   | 0-6.3Mpa                                       |
| Working Voltage                       | 220V AC、50Hz                   | 220V AC、50Hz                             | 220V AC、50Hz                               | 220V AC、50Hz                                   |
| Heating Plate Power                   | 1KW                            | 2KW                                      | 3KW                                        | 4KW                                            |
| Planing Tool Power                    | 0.7KW                          | 1.1KW                                    | 1.1KW                                      | 1.1KW                                          |
| Hydraulic Unit Power                  | 0.75KW                         | 0.75KW                                   | 0.75KW                                     | 0.75KW                                         |
| Total Power                           | 2.45KW                         | 3.85KW                                   | 4.85KW                                     | 5.85KW                                         |

ROTHENBERGER Semi-auto butt fusion welding machine  
R450F/R500F/R630F



Technical Parameters

| Model                      | R450F                               | R500F                               | R630F                       |
|----------------------------|-------------------------------------|-------------------------------------|-----------------------------|
| Pipe Size(mm)              | 200.220.225.250.280.315.355.400.450 | 200.225.250.280.315.355.400.450.500 | 315.355.400.450.500.560.630 |
| Heating Plate Max.Temp     | 270°C                               | 270°C                               | 270°C                       |
| Temp.Deviation in Surface  | <±7°C                               | <±7°C                               | <±7°C                       |
| Pressure Adjustable Ranges | 0-8Mpa                              | 0-8Mpa                              | 0-8Mpa                      |
| Working Voltage            | 380VAC<br>3P+N+PE 50Hz              | 380VAC<br>3P+N+PE 50Hz              | 380VAC<br>3P+N+PE 50Hz      |
| Heating Plate Power        | 5.38KW                              | 6.5KW                               | 9.35KW                      |
| Planing Tool Power         | 1.5KW                               | 1.5KW                               | 1.5KW                       |
| Hydraulic Unit Power       | 1.5KW                               | 1.5KW                               | 1.5KW                       |
| Crane Power                | 0.25T/0.56kw                        | 0.25T/0.56kw                        | 0.25T/0.56kw                |
| Total Power                | 8.38KW                              | 9.5KW                               | 12.35KW                     |
| Weight                     | 560KG                               | 700KG                               | 780KG                       |
| Packing                    |                                     |                                     |                             |
| Cases                      | 4 Plywood cases                     | 4 Plywood cases                     | 4 Plywood cases             |
| Volume                     | 3.16CBM                             | 4.43 CBM                            | 4.43 CBM                    |

ROTHENBERGER Semi-auto butt fusion welding machine  
R800F/R1000F/R1200F



Technical Parameters

| Model                      | R800F                   | R1000F                 | R1200F                         |
|----------------------------|-------------------------|------------------------|--------------------------------|
| Pipe Size(mm)              | 450.500.560.630.710.800 | 630.710.800.900.1000   | 630.710.800.900.1000.1100.1200 |
| Heating Plate Max.Temp     | 270°C                   | 270°C                  | 270°C                          |
| Temp.Deviation in Surface  | ±7°C                    | ±7°C                   | ±7°C                           |
| Pressure Adjustable Ranges | 0-16Mpa                 | 0-16Mpa                | 0-16Mpa                        |
| Working Voltage            | 380VAC<br>3P+N+PE 50Hz  | 380VAC<br>3P+N+PE 50Hz | 380VAC<br>3P+N+PE 50Hz         |
| Heating Plate Power        | 12.5KW                  | 17.5KW                 | 21.5KW                         |
| Planing Tool Power         | 2.2KW                   | 3KW                    | 4KW                            |
| Hydraulic Unit Power       | 3KW                     | 3KW                    | 3KW                            |
| Crane Power                | 0.5T/1.1kw              | 0.5T/1.1kw             | 1T/1.5kw                       |
| Total Power                | 18.2KW                  | 24KW                   | 29.5KW                         |
| Weight                     | 1360KG                  | 2600KG                 | 2740KG                         |
| Packing                    |                         |                        |                                |
| Cases                      | 5 Plywood cases         | 5 Plywood cases        | 5 Plywood cases                |
| Volume                     | 8.39 CBM                | 15.0CBM                | 19.54 CBM                      |

ROTHENBERGER Semi-auto butt fusion welding machine  
R1600F/ R2000F  
R2500F/R3000F(Customization)



Technical Parameters

| Model                      | R1600F                     | R2000F                   |
|----------------------------|----------------------------|--------------------------|
| Pipe Size(mm)              | 1000,1100 ,1200,1400 ,1600 | 1200,1400,1600,1800,2000 |
| Heating Plate Max.Temp     | 270°C                      | 270°C                    |
| Temp.Deviation in Surface  | ≤±10°C                     | ≤±10°C                   |
| Pressure Adjustable Ranges | 0-25Mpa                    | 0-16Mpa                  |
| Working Voltage            | 380V AC 3P+N+PE 50Hz       | 380V AC 3P+N+PE 50Hz     |
| Heating Plate Power        | 42KW                       | 80KW                     |
| Planing Tool Power         | 7.5KW                      | 7.5KW                    |
| Hydraulic Unit Power       | 7.5KW                      | 7.5KW                    |
| Total Power                | 57KW                       | 95KW                     |
| Weight                     | 5200KG                     | 20570KG                  |

ROTHENBERGER Intelligent CNC automatic butt fusion welding machine  
R160C/R250C/R315C/R355C



Application and Features

- ▶ Pre-installed welding standard such as CTSG, ISO, DVS, GIS, etc.
- ▶ Real-time data printing, recording function and USB port available.
- ▶ Standard with single inserts to improve the accuracy of pipeline alignment.
- ▶ BDS/GPS Positioning and remote data transmission function available.
- ▶ Part of SMART GAS . CLOUD WELDING system, easy extension.

Technical Parameters

| Model                                    | R160C          | R250C              | R315C               | R355C                |
|------------------------------------------|----------------|--------------------|---------------------|----------------------|
| Pipe Size(mm)                            | 90,125,110,160 | 90,110,160,200,250 | 110,160,200,250,315 | 160,200,250,315 ,355 |
| Heating Plate Max.Temp                   | 270°C          | 270°C              | 270°C               | 270°C                |
| Temp.Deviation in Surface<br>(170~250°C) | ≤±5°C          | ≤±5°C              | ≤±5°C               | ≤±5°C                |
| Pressure Adjustable Ranges               | 0.4-6Mpa       | 0.4-6Mpa           | 0.4-6Mpa            | 0.4-6Mpa             |
| Working Voltage                          | 220VAC 50Hz    | 220VAC 50Hz        | 220VAC 50Hz         | 220VAC 50Hz          |
| Heating Plate Power                      | 1KW            | 2KW                | 3KW                 | 4KW                  |
| Planing Tool Power                       | 0.7KW          | 1.1KW              | 1.1KW               | 1.1KW                |
| Hydraulic Unit Power                     | 0.75KW         | 0.75KW             | 0.75KW              | 0.75KW               |
| Total Power                              | 2.45KW         | 3.85KW             | 4.85KW              | 5.85KW               |

ROTHENBERGER Intelligent CNC automatic butt fusion welding machine  
R250CG/R355CG  
Above 355 (Customization)



ROTHENBERGER Intelligent CNC automatic butt fusion welding machine  
R250CG/R355CG



Application and Features

- ▶ Portable vehicle solution, complete package for field installation. Multi drawers to store all inserts, cables, different hand tools.
- ▶ Welding can be conducted on the vehicle, heating plate and trimmer are mechanically operated, very ergonomic for operators.
- ▶ The frame, heating plate and trimmer also and be separated from the vehicle to adapt to different applications.
- ▶ Pre-installed welding standard such as CTSG, ISO, DVS, GIS, etc.
- ▶ Part of MES management system, easy extension.
- ▶ Eelectric fusion and hand tools as option.

Technical Parameters

| Model                                    | R250CG      | R355CG      |
|------------------------------------------|-------------|-------------|
| Pipe Size(mm)                            | 90-250      | 90-355      |
| Heating Plate Max.Temp                   | 270°C       | 270°C       |
| Temp.Deviation in Surface<br>(170~250°C) | ≤±5°C       | ≤±5°C       |
| Pressure Adjustable Ranges               | 0.4-6Mpa    | 0.4-6Mpa    |
| Working Voltage                          | 220VAC 50Hz | 220VAC 50Hz |
| Heating Plate Power                      | 2KW         | 4KW         |
| Planing Tool Power                       | 1.1KW       | 1.1KW       |
| Hydraulic Unit Power                     | 0.75KW      | 0.75KW      |
| Total Power                              | 3.85KW      | 5.85KW      |

ROTHENBERGER Intelligent CNC automatic butt fusion welding machine  
R450C/R630C/R800C/R1000C/R1200C



Application and Features

- ▶ Equipped with PLC and touch screen control system.
- ▶ Pre-installed welding standard such as CTSG, ISO, DVS, GIS, etc.
- ▶ Real-time data printing, recording function and USB port available.
- ▶ BDS/GPS Positioning and remote data transmission function.
- ▶ Hydraulic operated trimmer and heating plate as option.

Technical Parameters

| Model                               | R450C                               | R630C                           | R800C                       | R1000C                   | R1200C                             |
|-------------------------------------|-------------------------------------|---------------------------------|-----------------------------|--------------------------|------------------------------------|
| Pipe Size(mm)                       | 200,225,250,280,<br>315,355,400,450 | 315,355,400,450,<br>500,560,630 | 450,500,560,630,<br>710,800 | 630,710,800,<br>900,1000 | 630,710,800,900,<br>1000,1100,1200 |
| Ambient Temp.                       | -5℃~45℃                             | -5℃~45℃                         | -5℃~45℃                     | -5℃~45℃                  | -5℃~45℃                            |
| Heating Plate Max.Temp              | 270℃                                | 270℃                            | 270℃                        | 270℃                     | 270℃                               |
| Temp.Deviation in Surface(170~250℃) | ±7℃                                 | ±7℃                             | ±7℃                         | ±7℃                      | ±7℃                                |
| Pressure Adjustable Ranges          | 0.4-8MPa                            | 0.4-8MPa                        | 0.4-12MPa                   | 0.4-12MPa                | 0.4-16MPa                          |
| Working Voltage                     | 380VAC<br>3P+N+PE 50Hz              | 380VAC<br>3P+N+PE 50Hz          | 380VAC<br>3P+N+PE 50Hz      | 380VAC<br>3P+N+PE 50Hz   | 380VAC<br>3P+N+PE 50Hz             |
| Heating Plate Power                 | 5.38KW                              | 9.35                            | 12.5KW                      | 17.5KW                   | 21.5KW                             |
| Planing Tool Power                  | 1.5KW                               | 1.5KW                           | 2.2KW                       | 3KW                      | 4KW                                |
| Hydraulic Unit Power                | 2.2KW                               | 2.2KW                           | 4KW                         | 4KW                      | 5KW                                |
| Total Power                         | 9.08KW                              | 13.05KW                         | 18.7KW                      | 24.5KW                   | 30.5KW                             |

ROTHENBERGER Intelligent CNC automatic butt fusion welding machine  
R1600C/R2000C/R3000C



Technical Parameters

| Model                               | R1600C                     | R2000C                   |
|-------------------------------------|----------------------------|--------------------------|
| Pipe Size(mm)                       | 1000,1100 ,1200,1400 ,1600 | 1200,1400,1600,1800,2000 |
| Heating Plate Max.Temp              | 270℃                       | 270℃                     |
| Temp.Deviation in Surface(170~250℃) | ±10℃                       | ±10℃                     |
| Pressure Adjustable Ranges          | 0-16Mpa                    | 0-16Mpa                  |
| Working Voltage                     | 380V AC 3P+N+PE 50Hz       | 380V AC 3P+N+PE 50Hz     |
| Heating Plate Power                 | 42.24KW                    | 80KW                     |
| Planing Tool Power                  | 7.5KW                      | 7.5KW                    |
| Hydraulic Unit Power                | 7.5KW                      | 7.5KW                    |
| Total Power                         | 57.24KW                    | 95KW                     |
| Weight                              | 9000KG                     | 20570KG                  |

ROTHENBERGER ASTM standard high pressure butt fusion welding machine  
R250FH/R315FH



Application and Features

- Suitable to weld SDR7 HDPE pipes under ASTM, ISO high-pressure welding standards.
- Strong trimmer unit, with hydraulic motor driving system.
- Robust frame and clamps.
- Crane are available for big machine to lift trimmer and heating plate.
- Transportation cart available upon customer demand.
- CNC system available to customer request.

Technical Parameters

| Model                                 | R250FH                                   | R315FH                                     |
|---------------------------------------|------------------------------------------|--------------------------------------------|
| Pipe Size(mm)                         | 63.75.90.110.125.140.160.180.200.225.250 | 90.110.125.140.160.180.200.225.250.280.315 |
| Pipe Size(inch)                       | 2". 3". 4". 5". 6". 8"                   | 3". 4". 5". 6". 8". 10". 12"               |
| Heating Plate Max.Temp                | 270°C                                    | 270°C                                      |
| Temp.Deviation in Surface (170~250°C) | ≤±7°C                                    | ≤±7°C                                      |
| Pressure Adjustable Ranges            | 0-14Mpa                                  | 0-14Mpa                                    |
| Working Voltage                       | 380V±10% 50/60Hz 3P                      | 380V±10% 50/60Hz 3P                        |
| Heating Plate Power                   | 2KW                                      | 3KW                                        |
| Hydraulic Unit Power                  | 2.2KW                                    | 2.2KW                                      |
| Total Power                           | 4.2KW                                    | 5.2KW                                      |
| Weight (kg)                           | N.W 230; G.W 310                         | N.W 299; G.W 392                           |

ROTHENBERGER ASTM standard high pressure butt fusion welding machine  
R450FH/R630FH



Technical Parameters

| Model                                 | R450FH                          | R630FH                            |
|---------------------------------------|---------------------------------|-----------------------------------|
| Pipe Size(mm)                         | 200.225.250.280.315.355.400.450 | 315.355.400.450.500.630           |
| Pipe Size(inch)                       | 8". 10". 12". 14". 16". 18"     | 12". 14". 16". 18". 20". 22". 24" |
| Heating Plate Max.Temp                | 270°C                           | 270°C                             |
| Temp.Deviation in Surface (170~250°C) | ≤±7°C                           | ≤±7°C                             |
| Pressure Adjustable Ranges            | 0-16 Mpa                        | 0-16 Mpa                          |
| Working Voltage                       | 380V±10% 50/60Hz 3P             | 380V±10% 50/60Hz 3P               |
| Heating Plate Power                   | 5.38KW                          | 9.35KW                            |
| Hydraulic Unit Power                  | 5.5KW                           | 5.5KW                             |
| Crane Power                           | 0.8KW                           | 0.8KW                             |
| Total Power                           | 10.88KW                         | 14.85KW                           |
| Weight (kg)                           | N.W 803; G.W 987                | N.W 1260; G.W 1500                |

ROTHENBERGER Semi-auto butt fusion welding machine  
R315CT/R630CT/R1200CT



Application and Features

- ▶ With its own generator and intelligent automatic welding machine, it realizes the flexibility and integration of field operation.
- ▶ Pre-set welding standard, such as DVS, ISO, GIS, TSG, etc. Also can use user-defined function to set your own standard to meet your demand.
- ▶ The machine is equipped with GPS/BDS positioning system and data transition modular.
- ▶ Part of ROTHENBERGER Smart Gas · Cloud Welding, the customer can use the software of ROTHENBERGER welding information management system RO-WIS to manage their project welding quality.

Technical Parameters

| Model                                | R315CT              | R630CT                      | R1200CT                        |
|--------------------------------------|---------------------|-----------------------------|--------------------------------|
| Pipe Size(mm)                        | 110,160,200,250,315 | 315,355,400,450,500,560,630 | 630,710,800,900,1000,1100,1200 |
| Heating Plate Max.Temp               | 270℃                | 270℃                        | 270℃                           |
| Temp.Deviation in Surface (170~250℃) | ≤±5℃                | ≤±7℃                        | ≤±7℃                           |
| Pressure Adjustable Ranges           | 0.4-6Mpa            | 0.4-8Mpa                    | 0.4-16MPa                      |
| Working Voltage                      | 220VAC 50Hz         | 380VAC 50Hz                 | 380VAC 50Hz                    |
| Heating Plate Power                  | 3KW                 | 9.35                        | 21.5KW                         |
| Planing Tool Power                   | 1.1KW               | 1.5KW                       | 4KW                            |
| Hydraulic Unit Power                 | 0.75KW              | 2.2KW                       | 5KW                            |
| Generator Power                      | 5KW                 | 18KW                        | 50KW                           |
| Track Operating Voltage              | 48V                 | 48V                         | 48V                            |

ROTHENBERGER Electrofusion welding machine  
R315E/R315EI  
R630EI/R1000EI (Customization)



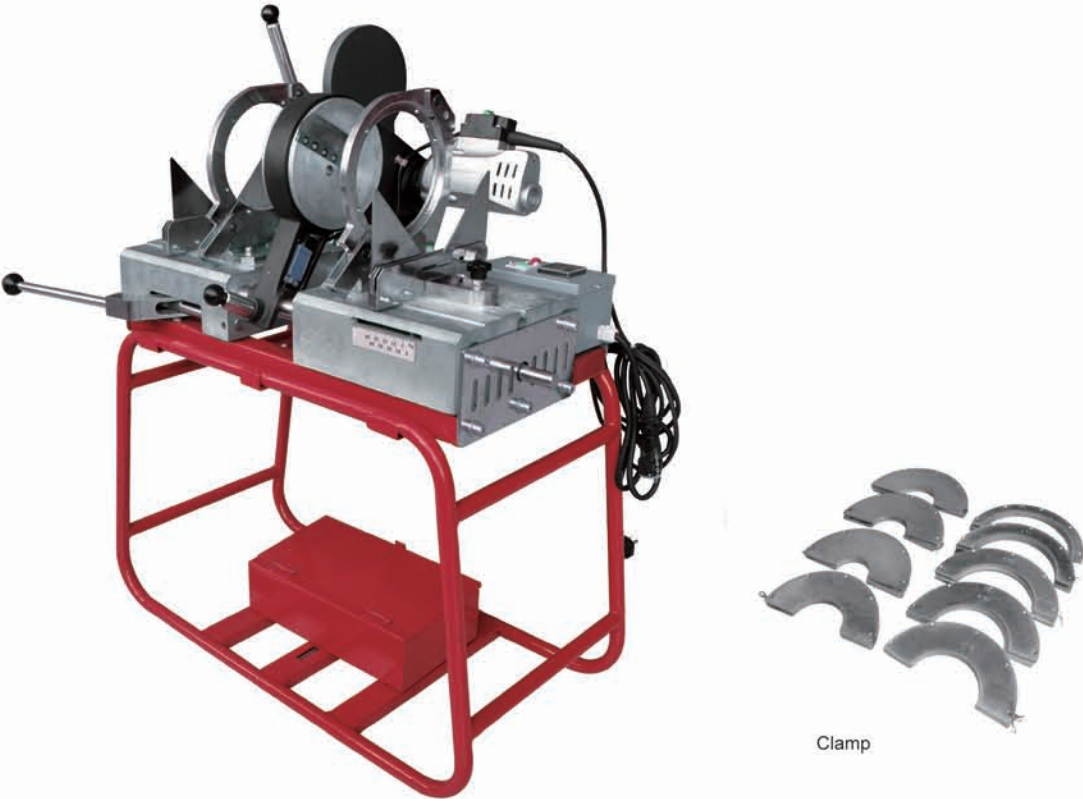
Application and Features

- ▶ High-level MCU is used as control core , with abundant parameter setting, measuring and perfect protective function.
- ▶ Wide power supply and voltage input, suitable for field electrical network level.
- ▶ High precision control of electrical stability and time, insuring welding quality.
- ▶ Swift output response time when power supply breaks,high stability.
- ▶ Multi-program suitable for welding requirement of various fittings.
- ▶ Flexible welding parameter input mode; manual input through keyboard or bar code scanning input.
- ▶ SMART GAS · CLOUD WELDING is available.

Technical Parameters

| Model                             | R315E                            | R315EI                           |
|-----------------------------------|----------------------------------|----------------------------------|
| Welding specification (reference) | Dn20-315mm                       | Dn20-315mm                       |
| Input voltage                     | 2φ AC220V±20%                    | 2φ AC220V±20%                    |
| Input frequency                   | 40-65Hz                          | 40-65Hz                          |
| Rated current / Rated voltage     | 60A / 70V                        | 60A / 70V                        |
| Rated power                       | 3.5KW                            | 3.5KW                            |
| Control mode                      | Constant volt / Constant current | Constant volt / Constant current |
| Time control precision            | ≤±0.01%                          | ≤±0.01%                          |
| Temperature measuring precision   | ≤ 1%                             | ≤ 1%                             |
| Weight                            | 30Kg                             | 15Kg                             |
| Packing size                      | 396*203*335mm                    | 396*203*335mm                    |

ROTHENBERGER Drainage welding machine  
R160D/R315D



Application and Features

- Suitable for butt welding of plastic pipes and fittings made of PE, PP, and PVDF material.
- Removable PTFE coated heating plate with high accurate temperature control system.
- Mechanical lock to maintain welding pressure.

Technical Parameters

| Model                               | R160D                                            | R315D                                            |
|-------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Pipe Size(mm)                       | 50,63,75,90,110,125,140,160                      | 110,160,180,200,225,250,280,315                  |
| Application                         | Pipe with pipe of fittings;fitting with fittings | Pipe with pipe of fittings;fitting with fittings |
| Heating Plate Max. Temp             | 260℃                                             | 260℃                                             |
| Temp.Deviation in Surface(170~250℃) | <±5℃                                             | <±5℃                                             |
| Working Voltage                     | 220V、 50Hz                                       | 220V/240V、 50Hz                                  |
| Planing Tool Power                  | 0.7KW                                            | 1.1KW                                            |
| Heating Plate power                 | 1KW                                              | 2.2KW                                            |
| Total Power                         | 1.7KW                                            | 3.3KW                                            |
| Weight                              | 54KG                                             | 183KG                                            |

ROTHENBERGER Drainage welding machine  
R315-40D



Technical Parameters  
(40-160 Fusion Welding machine)

|                                     |                                |
|-------------------------------------|--------------------------------|
| Pipe Size(mm)                       | 40,50,63,75,90,110,125,140,160 |
| Applicable Material                 | PE,PP,PB,PVDF                  |
| Max.Power                           | 1800W                          |
| Heating Plate Power                 | 1000W                          |
| Planing Tool Power                  | 800W                           |
| Basic Frame Size                    | 920×510×850mm                  |
| Weight                              | 100KG                          |
| Temp.Deviation in Surface(170~250℃) | 180—280℃                       |

Technical Parameters  
(200-315 Fusion Welding machine)

|                                     |               |
|-------------------------------------|---------------|
| Pipe Size(mm)                       | 200,250,315   |
| Applicable Material                 | PE,PP,PB,PVDF |
| Max.Power                           | 3000W         |
| Heating Plate Power                 | 2200W         |
| Planing Tool Power                  | 800W          |
| Basic Frame Size                    | 920×510×850mm |
| Weight                              | 90KG          |
| Temp.Deviation in Surface(170~250℃) | 180—280℃      |

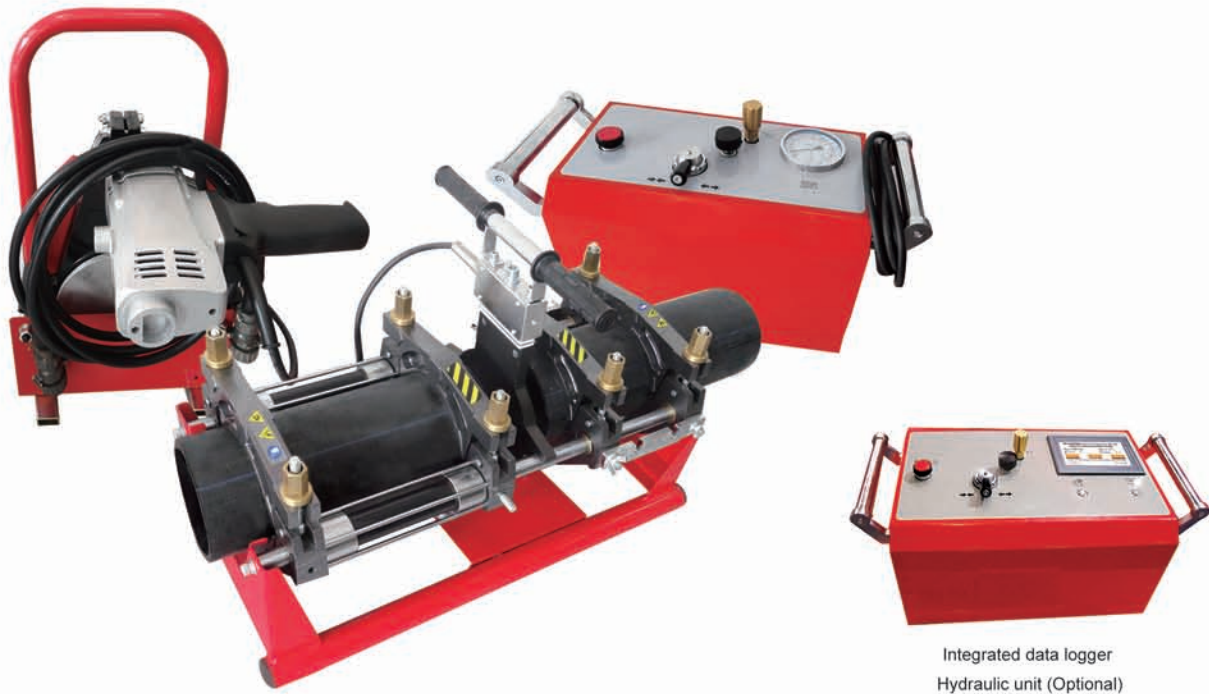
# Traditional product line



Semi-auto butt fusion welding machine  
SHD160/SHD250/SHD315/SHD355



Semi-auto butt fusion welding machine  
SHD160-II/SHD250-II/SHD315-II/SHD355-II



Semi-auto butt fusion welding machine  
SHD160-III/SHD250-III/SHD315-III/SHD355-III



Hydraulic unit A (Optional)



Hydraulic unit B (Optional)



Hydraulic unit C (Optional)

## Technical Parameters

| Model                                    | SHD160            | SHD250                | SHD315                  | SHD355                  |
|------------------------------------------|-------------------|-----------------------|-------------------------|-------------------------|
| Pipe Size(mm)                            | 63,75,90,110,125, | 63,75,90,110,125,140, | 90,110,125,140,160,180, | 90,110,125,140,160,180, |
| Heating Plate Max.Temp                   | 140,160           | 160,180,200,225,250   | 200,225,250,280,315     | 200,225,250,280,315,355 |
| Temp.Deviation in Surface<br>(170~250°C) | 270°C<br>≤±5°C    | 270°C<br>≤±5°C        | 270°C<br>≤±5°C          | 270°C<br>≤±5°C          |
| Pressure Adjustable Ranges               | 0-7Mpa            | 0-7Mpa                | 0-7Mpa                  | 0-7Mpa                  |
| Working Voltage                          | 220V AC、50Hz      | 220V AC、50Hz          | 220V AC、50Hz            | 220V AC、50Hz            |
| Heating Plate Power                      | 1KW               | 2KW                   | 3KW                     | 4KW                     |
| Planing Tool Power                       | 0.7KW             | 1.1KW                 | 1.1KW                   | 1.1KW                   |
| Hydraulic Unit Power                     | 0.75KW            | 0.75KW                | 0.75KW                  | 0.75KW                  |
| Total Power                              | 2.45KW            | 3.85KW                | 4.85KW                  | 5.85KW                  |

Semi-auto butt fusion welding machine  
SHD450/SHD500/SHD630



Technical Parameters

| Model                                 | SHD450                          | SHD500                              | SHD630                      |
|---------------------------------------|---------------------------------|-------------------------------------|-----------------------------|
| Pipe Size(mm)                         | 200.225.250.280.315.355.400.450 | 200.225.250.280.315.355.400.450.500 | 315.355.400.450.500.560.630 |
| Heating Plate Max.Temp                | 270°C                           | 270°C                               | 270°C                       |
| Temp.Deviation in Surface (170~250°C) | <±7°C                           | <±7°C                               | <±7°C                       |
| Pressure Adjustable Ranges            | 0-8Mpa                          | 0-8Mpa                              | 0-8Mpa                      |
| Working Voltage                       | 380VAC、3P+N+PE、50Hz             | 380VAC、3P+N+PE、50Hz                 | 380VAC、3P+N+PE、50Hz         |
| Heating Plate Power                   | 5.38KW                          | 6.5KW                               | 9.35KW                      |
| Planing Tool Power                    | 1.5KW                           | 1.5KW                               | 1.5KW                       |
| Hydraulic Unit Power                  | 1.5KW                           | 1.5KW                               | 1.5KW                       |
| Crane Power                           | 0.25T/0.56KW                    | 0.25T/0.56KW                        | 0.25T/0.56KW                |
| Total Power                           | 8.38KW                          | 9.5KW                               | 12.35KW                     |
| Weight                                | 560Kg                           | 700KG                               | 780KG                       |
| Packing                               | Cases                           | 4 Plywood Cases                     | 4 Plywood Cases             |
|                                       | Volume                          | 3.16CBM                             | 4.43CBM                     |

Semi-auto butt fusion welding machine  
SHD800/SHD1000/SHD1200



Technical Parameters

| Model                                 | SHD800                  | SHD1000              | SHD1200                        |
|---------------------------------------|-------------------------|----------------------|--------------------------------|
| Pipe Size(mm)                         | 450.500.560.630.710.800 | 630.710.800.900.1000 | 630.710.800.900.1000.1100.1200 |
| Heating Plate Max.Temp                | 270°C                   | 270°C                | 270°C                          |
| Temp.Deviation in Surface (170~250°C) | ≤±7°C                   | ≤±7°C                | ≤±7°C                          |
| Pressure Adjustable Ranges            | 0-16Mpa                 | 0-16Mpa              | 0-16Mpa                        |
| Working Voltage                       | 380VAC、3P+N+PE、50Hz     | 380VAC、3P+N+PE、50Hz  | 380VAC、3P+N+PE、50Hz            |
| Heating Plate Power                   | 12.5KW                  | 17.5KW               | 21.5KW                         |
| Planing Tool Power                    | 2.2KW                   | 3KW                  | 4KW                            |
| Hydraulic Unit Power                  | 3KW                     | 3KW                  | 3KW                            |
| Crane Power                           | 0.5T/0.9KW              | 0.5T/0.9kw           | 1T/1.5KW                       |
| Total Power                           | 18.2KW                  | 24KW                 | 29.5KW                         |
| Weight                                | 1360Kg                  | 2600Kg               | 2740Kg                         |
| Packing                               | Cases                   | 5 Plywood Cases      | 5 Plywood Cases                |
|                                       | Volume                  | 8.39 CBM             | 15.0 CBM                       |



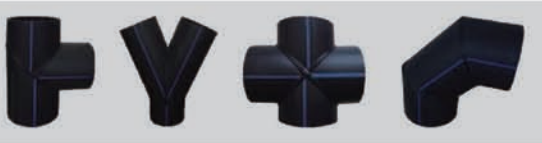
ROTHENBERGER Workshop fitting machine  
R315W



Application and Features

- PLC and touch screen automatic control system.
- Integrated data logger, to collect and store the actual welding parameters up to 2000 joints. The welding records can be printed out and transferred by USB sticks.
- By using a proportional solenoid valve, pressure transmitter and PLC combination to achieve closed-loop pressure control, automatic pressure regulating.
- Automatic pressure compensation function.
- In order to ensure the welding quality, our welding machine uses the welding synchronization system, so that the purpose of heating and welding two surfaces at the same time is achieved.

Production Type



Technical Parameters

|                                      |        |                                                                          |
|--------------------------------------|--------|--------------------------------------------------------------------------|
| Model                                |        | R315W                                                                    |
| Pipe Sizes (mm)                      |        | 90,110,125,140,160,180,200,225,250,280,315                               |
| Application                          |        | 0~90°Elbow, tee, cross, 45° and 60° wyes (optional parts should be used) |
| Heating Plate Max. Temp.             |        | 270℃                                                                     |
| Temp. deviation in surface(170~250℃) |        | ≤±7℃                                                                     |
| Pressure adjustable ranges           |        | 6MPa                                                                     |
| Working Voltage                      |        | 380V,50Hz                                                                |
| Heating Plate Power                  |        | 5KW                                                                      |
| Planing tool power                   |        | 1.5 KW                                                                   |
| Hydraulic unit power                 |        | 0.75 KW                                                                  |
| Total Power                          |        | 7.25 KW                                                                  |
| Weight                               |        | 884KG (exclude optional parts )                                          |
| Packing                              | Cases  | 4 Plywood Cases                                                          |
|                                      | Volume | 3.1 CBM                                                                  |

ROTHENBERGER Workshop fitting machine  
R450W/R630W/R800W



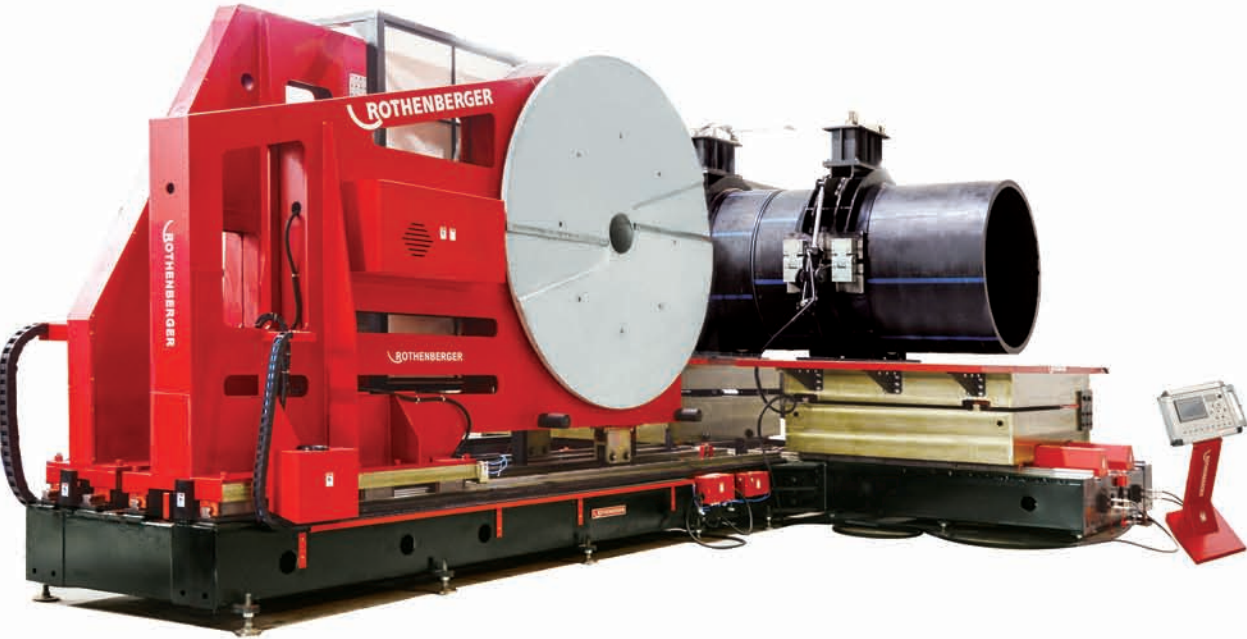
Production Type



Technical Parameters

|                                       |                                                                         |                                                                        |                                                                   |
|---------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------------|
| Model                                 | R450W                                                                   | R630W                                                                  | R800W                                                             |
| Pipe Sizes (mm)                       | 200,225,250,280,315,355,400,450                                         | 315,355,400,450,500,560,630                                            | 450,500,560,630,710,800                                           |
| Application                           | 0~90°elbow, tee, cross, 45° and 60° wyes(optional parts should be used) | 0~90°elbow, tee, cross, 45°and 60° wyes(optional parts should be used) | 0~90° Elbow,tee,cross,45°,60° Wyes(optional parts should be used) |
| Heating Plate Max.Temp                | 270°C                                                                   | 270°C                                                                  | 270°C                                                             |
| Temp. deviation in surface(170~250°C) | ≤±7°C                                                                   | ≤±7°C                                                                  | ≤±7°C                                                             |
| Pressure Adjustable Rnges             | 0~14MPa                                                                 | 0~14MPa                                                                | 0~14MPa                                                           |
| Working Voltage                       | 380V,50Hz                                                               | 380V,50Hz                                                              | 380V 50Hz                                                         |
| Heating Plate Power                   | 12.2KW                                                                  | 22.25KW                                                                | 39.23KW                                                           |
| Planing tool power                    | 2.2 KW                                                                  | 3KW                                                                    | 4KW                                                               |
| Hydraulic unit power                  | 3.0 KW                                                                  | 4.0 KW                                                                 | 4KW                                                               |
| Total Power                           | 17.4KW                                                                  | 29.25KW                                                                | 47.23KW                                                           |
| Weight                                | 2850KG                                                                  | 3510KG                                                                 | 4900KG                                                            |
| Packing                               | Cases                                                                   | 4 Plywood Cases                                                        | 9 Plywood Cases                                                   |
|                                       | Volume                                                                  | 14.66 CBM                                                              | 22.7 CBM                                                          |

ROTHENBERGER Workshop fitting machine  
R1000W/R1200W/R1600W/R2000W  
R2500W/3000W (Customization)



Production Type



Technical Parameters

| Model                                    | R1000W                                                               | R1200W                                                               | R1600W                                                               | R2000W                                                               |
|------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|
| Pipe sizes (mm)                          | 630,710,800,900,1000                                                 | 630,710,800,900,1000,1200                                            | 1000,1100,1200,1400,1600                                             | 1200,1400,1600,1800,2000                                             |
| Working ranges Elbow                     | 0~90° Elbow,tee,cross,45°,60°<br>Wyes(optional parts should be used) | 0~90° Elbow,tee,cross,45°,60°<br>Wyes(optional parts should be used) | 0~90° Elbow,tee,cross,45°,60°<br>Wyes(optional parts should be used) | 0~90° Elbow,tee,cross,45°,60°<br>Wyes(optional parts should be used) |
| Heating Plate Max. Temp.                 | 270℃                                                                 | 270℃                                                                 | 270℃                                                                 | 270℃                                                                 |
| Temp. deviation in surface<br>(170~250℃) | ≤±10℃                                                                | ≤±10℃                                                                | ≤±10℃                                                                | ≤±10℃                                                                |
| Pressure adjustable ranges               | 0~14MPa                                                              | 0~15MPa                                                              | 0~15MPa                                                              | 0~16MPa                                                              |
| Working Voltage                          | 380VAC 3P+N+PE 50Hz                                                  | 380VAC 3P+N+PE 50Hz                                                  | 380VAC 3P+N+PE 50Hz                                                  | 380VAC、3P+N+PE、50Hz                                                  |
| Heating plate power                      | 47.2kw                                                               | 61.39kw                                                              | 100kw                                                                | 225kw                                                                |
| Planing tool power                       | 4kw                                                                  | 7.5kw                                                                | 15kw                                                                 | 7.5kw                                                                |
| Hydraulic unit power                     | 4kw                                                                  | 7.5kw                                                                | 21kw                                                                 | 27.7kw                                                               |
| Total power                              | 55.2kw                                                               | 76.39kw                                                              | 138kw                                                                | 260.2kw                                                              |

ROTHENBERGER High pressure fitting machine  
R315WH/R450WH/R630WH  
R800WH/R1000WH/R1200WH



Production Type



Technical Parameters

|                                     |                                                 |
|-------------------------------------|-------------------------------------------------|
| Model                               | R1200WH                                         |
| Applicable materials                | PE、PP、HDPE                                      |
| Welding range (inch)                | 28",30",32",34",36",42",48"                     |
| Max thickness of welding wall       | 48"-SDR7                                        |
| Welding type                        | 0~90°                                           |
| Cover type of elbow jig             | Hydraulic pressure cover and hydraulic pressure |
| Angle adjustment range of elbow jig | 0°~22.5°                                        |
| Ambient temp                        | -5~45℃                                          |
| Working Voltage                     | 380VAC 3P+N+PE 50Hz                             |
| Total current                       | 150A                                            |
| Total power                         | 89.2KW                                          |
| Among them: heating plate           | 61KW                                            |
| Planing Tool                        | 7.5KW                                           |
| Main hydraulic Unit                 | 11KW                                            |
| Clamp hydraulic Unit                | 2.2KW                                           |
| Tighten hydraulic Unit              | 7.5KW                                           |
| Ground insulation resistance        | >1MΩ                                            |
| Max working pressure                | 25 MPa                                          |
| Hydraulic oil                       | 40~50 (viscosity mm2/s, 40℃)                    |
| Heating Plate Max.Temp              | 270℃                                            |
| Temp.Deviation in Surface           | ±7℃                                             |

Application and features

- ▶ Pre-installed ASTM and ISO high pressure welding standard.
- ▶ Strong structure to apply high pressure.
- ▶ PLC and touch screen automatic control system.
- ▶ Integrated data logger, to collect and store the actual welding parameters up to 2000 joints. The welding records can be printed out and transferred by USB sticks.

ROTHENBERGER Multi angle band saw  
R315B/R630B/R800B/R1000B



Application and Features

- Applied to solid pipes or structured wall pipes made of thermoplastic such as PE and PP, and also other pipe and fittings made of non-metal materials.
- Suitable for cutting pipes according to specified angle and dimension while making an elbow, tee or cross, which lowest the material waste and improve the welding efficiency.
- Cutting angle 0~67.5° accurate angle location.
- Self inspection and stop of the machine in case of saw blade breaks enables to guarantee operator's safety.

Technical Parameters

| Model               | R315B               | R630B               | R800B               | R1000B              |
|---------------------|---------------------|---------------------|---------------------|---------------------|
| Working ranges      | ≤315mm              | ≤630mm              | ≤800mm              | ≤1000mm             |
| Cutting angle       | 0-67.5°             | 0-67.5°             | 0-67.5°             | 0-67.5°             |
| Cutting angle error | ≤1°                 | ≤1°                 | ≤1°                 | ≤1°                 |
| Line speed          | 0- 250m/min         | 0- 250m/min         | 0- 250m/min         | 0- 250m/min         |
| Feed speed          | Adjustable          | Adjustable          | Adjustable          | Adjustable          |
| Working voltage     | 380VAC 3P+N+PE 50Hz | 380VAC 3P+N+PE 50Hz | 380VAC 3P+N+PE 50Hz | 380VAC 3P+N+PE 50Hz |
| Total power         | 2.25KW              | 3.7KW               | 3.7KW               | 3.7KW               |
| Total weight        | 884KG               | 1900KG              | 2300KG              | 4000KG              |

ROTHENBERGER Multi angle band saw  
R1200B/R1600B/R2000B  
R2500B/R3000B (Customization)



Technical Parameters

| Model               | R1200B              | R1600B              | R2000B              |
|---------------------|---------------------|---------------------|---------------------|
| Working ranges      | ≤1200mm             | ≤1600mm             | 1200≤dn≤2000mm      |
| Cutting angle       | 0-67.5°             | 0-67.5°             | 0-67.5°             |
| Cutting angle error | ≤1°                 | ≤1°                 | ≤1°                 |
| Line speed          | 0- 250m/min         | 0- 250m/min         | 0- 165m/min         |
| Feed speed          | Adjustable          | Adjustable          | Adjustable          |
| Working voltage     | 380VAC 3P+N+PE 50Hz | 380VAC 3P+N+PE 50Hz | 380VAC 3P+N+PE 50Hz |
| Total Power         | 10.2KW              | 10.2KW              | 6.95KW              |
| Total Weight        | 7000KG              | 8000KG              | 15700KG             |

ROTHENBERGER Saddle radius band saw  
R315A/R630A



Application and Features

- Suitable for making arched pipe end according to the main pipe surface while fabricating a PE reducing tee in the workshop.
- Normally work together with SHM saddle fusion machines.

Technical Parameters

|                       |                     |
|-----------------------|---------------------|
| Max. cutting diameter | 315mm/630mm         |
| Max. cutting radian   | R315/R600           |
| Line cutting speed    | 0-250m/minute       |
| Cutting feed speed    | Manual              |
| Working voltage       | 380VAC,3P+N+PE,50Hz |
| Total power           | 2.2KW               |
| Total weight          | 1140KG/1150KG       |

ROTHENBERGER Saddle fusion machine  
R630S/R1200S



Application and Features

- Suitable for fabricating PE reducing tee in a workshop.
- Integrated function of welding and taping enables to complete the whole fabricating process.
- Digital high-accurate pressure meter indicates clear readings.
- PLC control available for automatic process to ensure high welding standard.



Technical Parameters

|                        |                           |
|------------------------|---------------------------|
| Working ranges         | Reducing tee              |
| Main pipe max.Dia      | 630mm/800mm/1000mm/1200mm |
| Branch pipe max.Dia    | 315mm/400mm/500mm/560mm   |
| Heating plant max.Temp | 270°C                     |
| System pressure ranges | 0-6MPa                    |
| Working voltage        | 380V±10%, 50Hz            |
| Heating plate power    | 15~20Kw                   |
| Hydraulic unit power   | 1.5Kw                     |
| Drill motor power      | 1.5~3Kw                   |
| Total power            | 19.5~24.5Kw               |
| Weight                 | 2380-2650KG               |

| Model       | R630S                                                     |   |   |   |   |   |   | R1200S |   |   |   |   |   |   |
|-------------|-----------------------------------------------------------|---|---|---|---|---|---|--------|---|---|---|---|---|---|
| Main pipe   | 315 355 400 450 500 560 630 560 630 710 800 900 1000 1200 |   |   |   |   |   |   |        |   |   |   |   |   |   |
| Branch pipe |                                                           |   |   |   |   |   |   |        |   |   |   |   |   |   |
| 110         | √                                                         | √ | √ | √ |   |   |   |        |   |   |   |   |   |   |
| 160         | √                                                         | √ | √ | √ | √ | √ |   | √      |   |   |   |   |   |   |
| 200         |                                                           |   | √ | √ | √ | √ | √ | √      | √ | √ |   |   |   |   |
| 225         |                                                           |   |   | √ | √ | √ | √ | √      | √ | √ | √ |   |   |   |
| 250         |                                                           |   |   |   | √ | √ | √ | √      | √ | √ | √ | √ |   |   |
| 315         |                                                           |   |   |   |   |   | √ |        | √ | √ | √ | √ | √ | √ |
| 355         |                                                           |   |   |   |   |   |   |        |   | √ | √ | √ | √ | √ |
| 400         |                                                           |   |   |   |   |   |   |        |   |   | √ | √ | √ | √ |
| 450         |                                                           |   |   |   |   |   |   |        |   |   |   | √ | √ | √ |
| 500         |                                                           |   |   |   |   |   |   |        |   |   |   |   | √ | √ |

ROTHENBERGER Saddle fusion machine  
R315S



Technical Parameters

| Model                | R315S           | R315S       |     |     |     |     |     |     |     |     |     |     |   |   |   |   |  |
|----------------------|-----------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|---|---|--|
| Working Rangs        | Reducing tee    | Main Pipe   |     |     |     |     |     |     |     |     |     |     |   |   |   |   |  |
|                      |                 | 90          | 110 | 125 | 140 | 160 | 180 | 200 | 225 | 250 | 280 | 315 |   |   |   |   |  |
| Heating Plate Power  | 1.2KW           | Branch Pipe | 32  | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓ | ✓ | ✓ | ✓ |  |
|                      |                 | 40          | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓ | ✓ | ✓ | ✓ |  |
| Hydraulic Unit Power | 0.75KW          | 50          |     | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓ | ✓ | ✓ | ✓ |  |
|                      |                 | 63          |     |     |     | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓ | ✓ | ✓ | ✓ |  |
| Drill Motor Power    | 0.75KW          | 75          |     |     |     |     | ✓   | ✓   | ✓   | ✓   | ✓   | ✓   | ✓ | ✓ | ✓ | ✓ |  |
|                      |                 | 90          |     |     |     |     |     | ✓   | ✓   | ✓   | ✓   | ✓   | ✓ | ✓ | ✓ | ✓ |  |
| The Equipment Size   | 1020*600*1200mm | 110         |     |     |     |     |     |     |     | ✓   | ✓   | ✓   | ✓ | ✓ | ✓ | ✓ |  |
|                      |                 | 125         |     |     |     |     |     |     |     |     |     |     | ✓ | ✓ | ✓ | ✓ |  |
| Weight               | 350KG           | 140         |     |     |     |     |     |     |     |     |     |     |   |   | ✓ | ✓ |  |
|                      |                 |             |     |     |     |     |     |     |     |     |     |     |   |   |   |   |  |
| Working Voltage      | 380V            |             |     |     |     |     |     |     |     |     |     |     |   |   |   |   |  |

*ROTHENBERGER Ball valve fitting welding machine  
Single / Multi welding station*



*Other equipment and tools*



*Manifold welding machine*

### Application and Features

- ▶ To weld two banches to main body of plastic ball valves.
- ▶ The operator will verify the alignment of the parts after planing. Then only press button to complete the welding processes automatically. It is simple and high effcient.
- ▶ Pre-set welding standard, such as DVS, ISO, GIS, TSG, etc. Also can use user-defined function to set your own standard to meet your demand. With user friendly interface, the operator can complete the welding process easily following the guidance of pre-set welding standard.



*Pre-insulated pipe welding machine  
Thin thickness pipe band saw*

Other equipment and tools



ROTHENBERGER Data logger  
R2000D



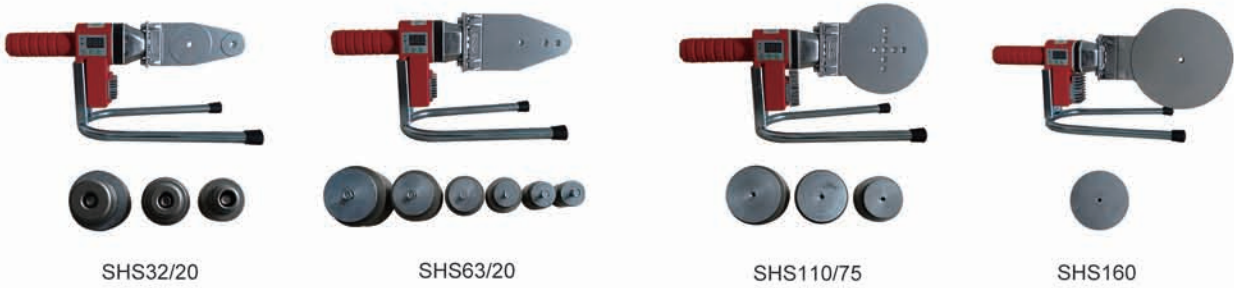
Pipe cutter



Deburrer



Socket welder



Pipe cutter



Manual welding extruder



Hot air welding



Reciprocating saw



Band saw



Pipe cutter



Chamfering tool



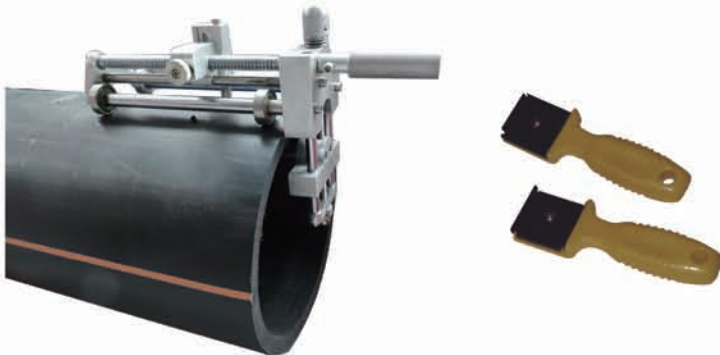
Outside bead remover



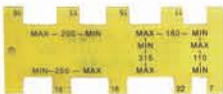
Inside bead remover



Peeling device for socket



Bead width gauge



Clamping device for socket welding



Squeezing device



Welding support roller



Rounding device



ROTHENBERGER Worldwide

- |                |                |
|----------------|----------------|
| Australia      | Italy          |
| Austria        | Middle East    |
| Belgium        | Netherlands    |
| Brazil         | Poland         |
| Bulgaria       | Romania        |
| China          | Russia         |
| Czech Republic | South Africa   |
| Denmark        | Spain          |
| France         | Sweden         |
| Germany        | Switzerland    |
| Greece         | Turkey         |
| Hungary        | United Kingdom |
| India          | USA            |

