

## CURVASSI

### Rotary RTS Tube Bending Machines

The Curvassi RTS range of bending machines have been designed for high quality tube bending. Formers for bending metric tubes and gas pipes are readily available together with guide rollers and counter formers.

Four models are available with tube bending capacities of up to 100mm all with programmers for high efficiency production bending.

**WATCH THE  
MACHINE IN  
ACTION**



**Curvassi RTS  
Tube Bender**

#### Machine Features

- Heavy duty construction
- Excellent bend quality
- Quick release guide block
- Digital read out of bending angle
- Counter read out for guide block position
- Variable bending speed
- Complete tooling service

#### Optional Equipment

- Moving Arm Table for repeatable bends



**TOOLING**



**CONTROLLER**



**CONTROL PANEL**



**OPTIONAL MOVING  
ARM TABLE**



## TECHNICAL SPECIFICATIONS

| MODEL                              |     | RTS 48       | RTS 60      | RTS 76      | RTS 100     |
|------------------------------------|-----|--------------|-------------|-------------|-------------|
| STOCK CODE                         |     | 21733        | 21730       | 21731       | 21732       |
| Max. Tube Capacity (Mild Steel)    | mm  | Ø 48.3 x 3.5 | Ø 60.3 x 4  | Ø 76.1 x 4  | Ø 100 x 4   |
| Max. Profile Capacity (Mild Steel) | mm  | 40 x 40 x 4  | 50 x 50 x 4 | 60 x 60 x 4 | 80 x 80 x 4 |
| Min. Bending Radius                | mm  | 59           | 59          | 59          | 99          |
| Max. Bending Radius                | mm  | 350          | 425         | 450         | 475         |
| Max. Bending Angle                 | deg | 180          | 180         | 180         | 180         |
| Height of Bending Head             | mm  | 68           | 80          | 80          | 134         |
| Motor                              | Kw  | 1.1          | 1.5         | 4.0         | 11          |
| Bending Speed                      | RPM | 2.5          | 2.25        | 3           | 1.7         |
| Torque                             | Nm  | 4,202        | 6,367       | 12,000      | 61,717      |
| Length                             | mm  | 800          | 1,200       | 1,300       | 1,400       |
| Width                              | mm  | 566          | 600         | 700         | 800         |
| Height                             | mm  | 1,000        | 1,200       | 1,300       | 1,700       |
| Weight                             | Kg  | 315          | 510         | 650         | 1,600       |

### CURVASSI RTS 48, 60 & 76 MINIMUM CENTRE LINE DIAMETER (CLD)

|                     |     | PIPE DIAMETER (MM) |      |      |      |      |      |      |      |      |
|---------------------|-----|--------------------|------|------|------|------|------|------|------|------|
|                     |     | 16                 | 19   | 21.7 | 26.9 | 33.7 | 38   | 42.4 | 48.3 | 50.8 |
| WALL THICKNESS (MM) | 1   | Ø118               | Ø128 | Ø142 | Ø208 | Ø258 | N/A  | N/A  | N/A  | N/A  |
|                     | 1.5 | Ø118               | Ø128 | Ø142 | Ø188 | Ø238 | N/A  | N/A  | N/A  | N/A  |
|                     | 2   | Ø118               | Ø118 | Ø142 | Ø188 | Ø198 | Ø258 | Ø258 | Ø358 | N/A  |
|                     | 2.5 | Ø118               | Ø118 | Ø142 | Ø178 | Ø188 | Ø258 | Ø248 | Ø348 | Ø358 |
|                     | 3   | Ø118               | Ø118 | Ø128 | Ø178 | Ø178 | Ø248 | Ø228 | Ø298 | Ø338 |
|                     | 3.5 | Ø118               | Ø118 | Ø128 | Ø168 | Ø168 | Ø228 | Ø198 | Ø288 | Ø318 |
|                     | 4   | Ø118               | Ø118 | Ø128 | Ø158 | Ø158 | Ø198 | Ø198 | Ø268 | Ø298 |

### CURVASSI RTS 100 MINIMUM CENTRE LINE DIAMETER (CLD)

|                     |     | PIPE DIAMETER (MM) |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------|-----|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                     |     | 16                 | 19   | 21.7 | 26.9 | 33.7 | 38   | 42.4 | 48.3 | 50.8 | 60.3 | 63   | 76.1 | 88.9 | 100  |
| WALL THICKNESS (MM) | 1   | Ø198               | Ø198 | Ø198 | Ø208 | Ø258 | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
|                     | 1.5 | Ø198               | Ø198 | Ø198 | Ø198 | Ø238 | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
|                     | 2   | Ø198               | Ø198 | Ø198 | Ø198 | Ø198 | Ø258 | Ø258 | Ø358 | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
|                     | 2.5 | Ø198               | Ø198 | Ø198 | Ø198 | Ø198 | Ø258 | Ø248 | Ø348 | Ø358 | Ø408 | Ø408 | N/A  | N/A  | N/A  |
|                     | 3   | Ø198               | Ø198 | Ø198 | Ø198 | Ø198 | Ø248 | Ø228 | Ø298 | Ø338 | Ø398 | Ø398 | Ø550 | N/A  | N/A  |
|                     | 3.5 | Ø198               | Ø198 | Ø198 | Ø198 | Ø198 | Ø198 | Ø198 | Ø288 | Ø318 | Ø368 | Ø368 | Ø550 | Ø750 | Ø750 |
|                     | 4   | Ø198               | Ø198 | Ø198 | Ø198 | Ø198 | Ø198 | Ø198 | Ø268 | Ø298 | Ø348 | Ø348 | Ø498 | Ø700 | Ø750 |

Capacities are given for ST37 Steel Tube