

## Data Sheet – CNC65 TSRJ

CNC 65TSRJ is a 3 axis CNC tube bender for accurate bending of complex tubular components. The bending head drive is provided by hydraulics. Linear movements and rotations are performed automatically using AC Servo motors. The machine is designed to offer flexibility, accuracy and a high production capability.



### TubeMart Tube Bending Machines:

#### Machine Model CSM CNC65TSRJ

##### Standard features:

Powered Follower Slide  
Rise & fall clamping  
Right Hand Bending  
Single Stack for Draw Bending  
Y, B Axes – CNC controlled Feeding and Rotation  
C Axis - Driven by 2 Speed Hydraulic Driven Bending Head  
Water Cooling System  
Foot Pedal Cycle start  
Wiper die Bracket  
Operation and Maintenance Manual  
CE Certification, safety mats and surround fencing

##### Master I Controller

PLC base 10" B & W LCD Touch Screen control - Easy and fast programming  
100 sets of Program Storage  
Metric and Inch setting conversion  
English language display  
Independent programmable speeds Y and B axes (10x8)

### Technical Specifications: Model CNC65TSRE

Bending Capacity / Round Tube / Mild Steel (S=40kgf/mm <sup>2</sup> )	65 x 3.0mm	DBB (Feeding) speed	1300 mm/ sec
Bending Capacity / Round Tube / Non-Ferrous S=25kgf/mm <sup>2</sup> )	65 x 5mm	Accuracy of DBB (Feeding)	±0.1mm
Bending Capacity / Round Tube / Stainless S=60kgf/mm <sup>2</sup> )	65 x 1.8mm	POB (Rotation) Speed	270 deg / mm
Bending Capacity / Square Tube / Mild Steel (S=40kgf/mm <sup>2</sup> )	50 x 3.0mm	Accuracy of POB (Rotation)	±0.1 degrees
Bending Capacity / Solid Bar / Mild Steel (S=40kgf/mm <sup>2</sup> )	30mm	Motor for Hydraulic	7.5 Kw
Max. Bending Radius	35 – 250mm	Total Power	10 Kw
Max. Bending Angle	190 degrees	Max. Pressure	140 kgf / cm <sup>2</sup>
Max. Length over Mandrel	2500mm	Hydraulic Tank Capacity	180 Litres
Working Height	1100mm	Machine Length	4800mm
Tooling Centre Line Height	50mm	Machine Width	1400mm
DOB (Bending) Speed	65 deg / sec.	Machine Height	1350mm
Accuracy of DOB (Bending)	±0.15 degrees	Machine Weight	3000 kgs

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