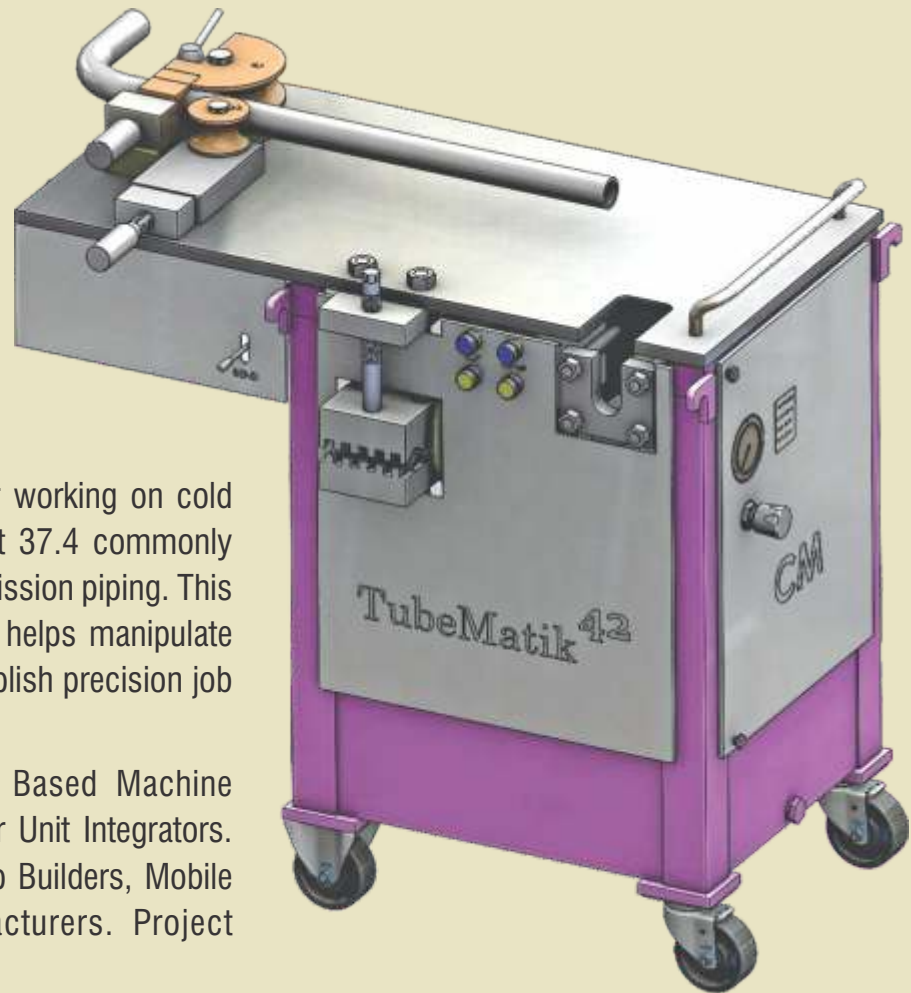


TubeMatik⁴²

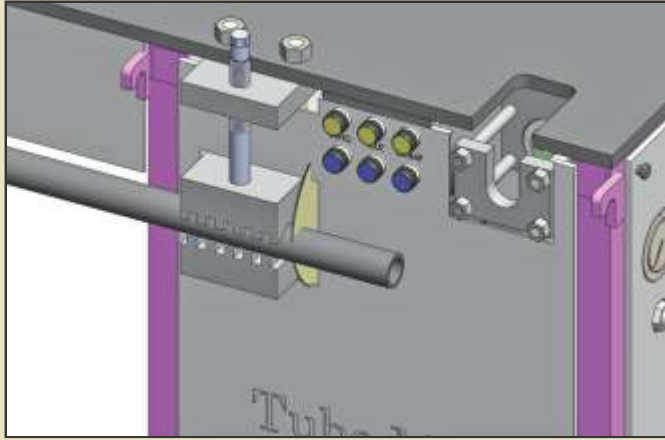
FOR HYDRAULIC PIPING EXECUTION



A specially crafted machine for working on cold drawn seamless tubes grade st 37.4 commonly used for hydraulic power transmission piping. This compact user friendly machine helps manipulate hydraulic tubing work to accomplish precision job and attain high production level.

TYPICAL USERS : Hydraulic Based Machine Manufacturers, Hydraulic power Unit Integrators. Power Plants, Steel Plants, Ship Builders, Mobile Hydraulic Equipment Manufacturers. Project Engineering Companies.

Base Model Offered	Tube bending function is offered as base model
Optional Features	<ul style="list-style-type: none"> • Ferrule Crimping (Ferrules also known as progressive ring) • Tube Cutting with Powered Rotating Saw • De-burring Tube Faces - Inner / Outer
Machine Capacity	Tubes Metric Size (OD x Thk) 16 x 2 to 42 x 4mm Cold Drawn Annealed Seamless Tubes Gr St 37.4 / E235+N
Machine Size / Weight	1000 x 500 x 1000mm Height. Weight : 325 Kgs.
Power Installed	1.1Kw (1.5 Hp) Electric Motor - 415V/380V
Ref Common Tube Sizes Metric	16 – 18 – 20 – 22 – 25 – 28 – 30 – 35 – 38 – 42



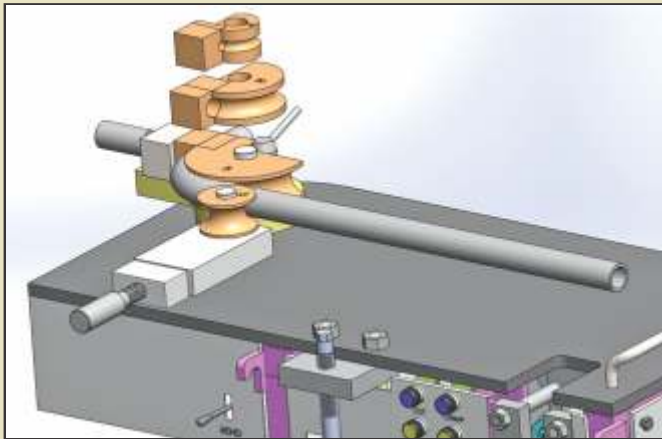
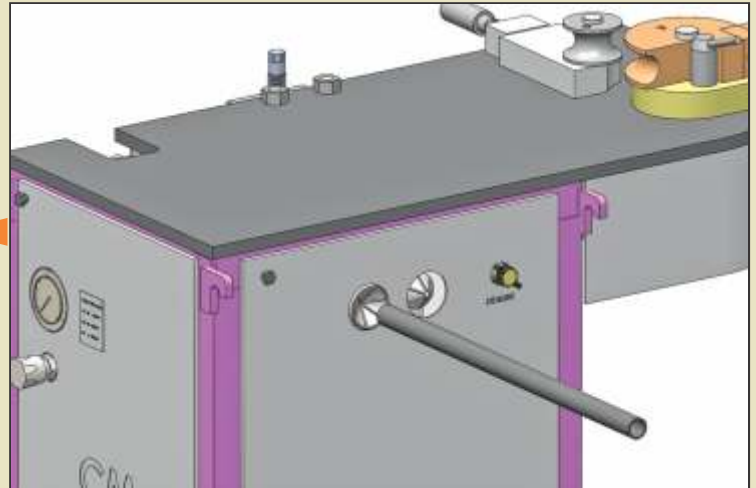
TUBE CUTTING OPERATION

Tube is Clamped into V Jaws with Adequate Force, The Rotary Saw is Switched ON which Progresses.

Forward to Cut the Tube. The Cut Face is Good Finish and at Perfect Right Angle to Tube Axis.

TUBE FACE DE-BURRING

After CUTTING the Tube a Good Practice is to De-Burr the Cut Edges and Provide a Small Chamfer. The Tube Face is Pressed Against the Rotating Cutters to Achieve a Clean Face.

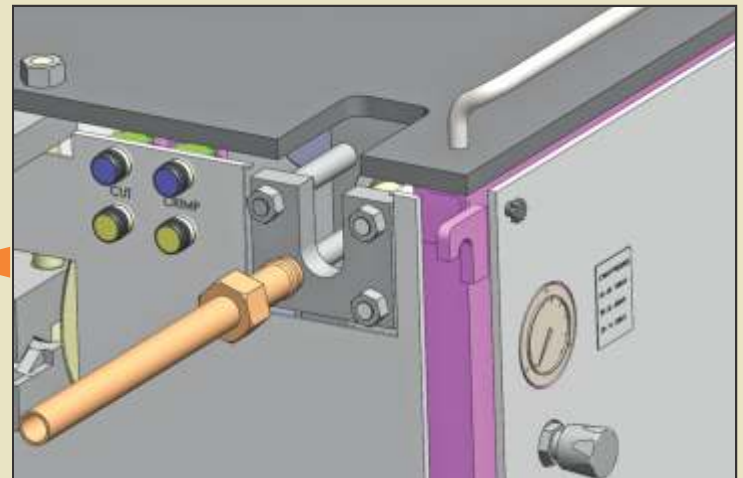


TUBE BENDING OPERATION

As per Tube Size the Correct Tooling is Placed in Position. Tube is Clamped in the Tooling. Slow Speed Bending (with Proportional Speed Control) is Performed to Gain Maximum Control on Bending Angle. Bending Radius is just Adequate to Form a Perfect Bend.

FERRULE CRIMPING OPERATION

Depending on Tube Size the Correct Tooling is Placed in Position. Tube-Nut-Ferrule is Located in Place. Adequate Pressure is Set. The Cylinder Progresses to Provide the Thrust to Crimp the Ferrule Ring in Place.



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