PipeCut - Industrial Pipe Processing Machine

Industrial pipe processing machine for the structural steel industry

FEATURES:

• Pipe range: 2” to 30” diameter (48” optional)
• Contour bevel, weld prep, mitres, saddles, holes, slots, gussets, etc.
• Chuck driven: Precise positioning, no slippage or pipe walk
• Automatic chuck height adjustment for pipe diameter range
• Automatic chuck clamping / unclamping for quick setup
• Floating chuck mechanism feature allows for cutting of bent or “out-of-round” pipes
• Motorized In-Feed conveyor: up to 60’ length
• Rigid Gantry style construction with dual drive motion for accurate, smooth motion
• Integrated automatic torch height sensing for precise torch standoff from material
• Integrated fume extraction (optional)

Machine models and specifications are subject to change without notice.
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FLOATING CHUCK SYSTEM:
• Chuck allows from 2” to 30” diameter pipes
• Positive rotation of bent or “out-of-round” pipe without pipe walk or slippage
• Automatic clamping / unclamping by motorized key
• Automatic chuck height adjustment and self-centering for full diameter range
• Integrated fume extraction allows for fume capture inside the pipe (optional)
• Clamping torque monitoring system

MOTORIZED IN-FEED CONVEYOR:
• Hourglass shaped in-feed rollers for easy self-centering of pipe and loading
• Motorized chain-driven in-feed rollers for quick loading of pipe
• Support roller units every 18” for maximum support of heavy-wall pipe

SUPPORT ROLLERS:
• Maximized pipe diameter processing utilizing a 6 roller support unit
• Pneumatically operated support roller unit adjusts pipe to proper cutting height

CONTOUR PLASMA BEVELLER (OPTION):
• 5-axis beveler allows for precise weld prep, mitres and saddle cuts, holes, slots, custom cutouts, etc.
• Non-Rotate pipe feature allows for cutting of projected holes resulting in precise perpendicular cut holes for accurate pipe branch fitting
• Powered by Hypertherm XPR and HPR plasma sources (XPR170, XPR300, HPR400XD, HPR800XD)
• Pipe wall thickness cutting capacity limited to plasma system sizing

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**INVERTED RAILS SYSTEM:**
- Inverted highly accurate 3/4” Agma10 Helical rack and pinions protected against dust and material impact
- 25 mm linear bearings, on machined surfaces
- Dual side drive, Bosch Rexroth A/C Servo motors with Ethercat drive controller

**HYPERTHERM EDGE CONNECT CNC CONTROLLER:**
- Edge Connect CNC controller
- Windows based, 19.5” glass touch screen
- Industrial heavy duty controller housing
- Easy to use user interface
- Controller is fixed on the gantry for easy operation

**ROTARY TUBE PRO SOFTWARE:**
- Rotary Tube Pro™ offers a complete design and cut solution for tube and pipe parts with no 3D CAD experience required
- Tubes and branches are easily defined within the software interface using standard parameters.
- Side-wall cut outs can be added from CAD, or from a list of pre-defined shapes
- Easy import of 3D step files
- Compatible with Acorn files

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