

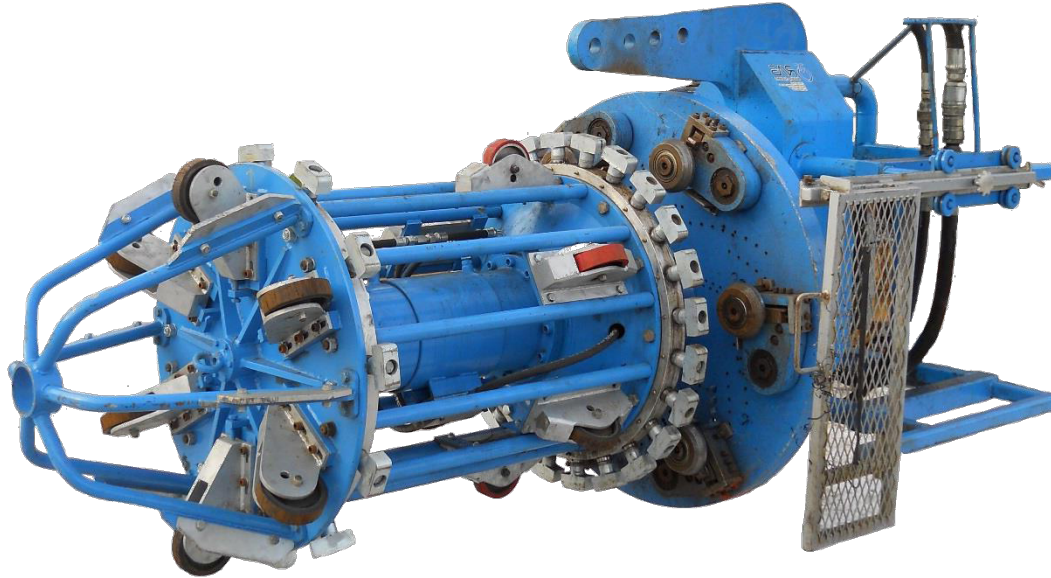


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PIPE FACING MACHINE - PFM



The RMS Pipe Facing Machine (PFM) is used to machine precision manual or automatic bevels. Hydraulically- operated clamping shoes hold the machine square to the pipe from the inside while a rotating face plate equipped with multiple carbide cutting tools is fed into the pipe end. Each tool holder can cut a different bevel angle simultaneously.

For automatic applications, the narrow gap bevel reduces the weld metal volume required to fill the weld groove and therefore significantly decreases the overall welding time. These advantages increase with increasing wall thickness. The PFM can be set up with a variety of bevel configurations to meet the requirements of the project.

The pipe facing operation takes between 2 to 6 minutes depending on the pipe wall thickness and operator experience.

An RMS Hydraulic Power Unit (HPU) or equivalent is required to power the PFM.



Feature	Benefits
Narrow Gap Bevel	<ul style="list-style-type: none"> • Less weld material required • Less weld time per joint
Multiple Tool Holders	<ul style="list-style-type: none"> • Higher production rates • Adjustable bevel configurations • Flexibility in weld procedure



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Pipe Facing Machine		
General Specifications		
Number of Tool Holders	6	
Face Plate Rotation Speed	20 - 35 rpm	
Hydraulic Pressure		
Maximum System	3,300 psi	225 bar
Rotation Operating	1,200 - 1,700 psi	80 - 120 bar
Face Plate Feed	350 psi max	25 bar max
Expander	350 psi max	25 bar max
Return	70 psi max	5 bar max
Hydraulic Oil Flow	33.5 - 38.3 gallons	127 - 145 liters

Machine Dimensions				
Pipe Diameter	Length		Weight	
16" – 24"	95"	2,400 mm	2,300 lbs	1,050 kg
28" – 32"	100"	2,550 mm	3,200 lbs	1,450 kg
34" – 38"	108"	2,750 mm	4,400 lbs	2,000 kg
40" – 44"	115"	2,950 mm	6,800 lbs	3,100 kg
46" – 50"	115"	2,950 mm	6,600 lbs	3,000 kg