



1409 4th Street
 Nisku, AB T9E 7M9
Phone: 780-955-3907
Fax: 780-955-3996



601 Aurora Business Park Drive
 Conroe, Texas 77301
Phone: 936.494.2753

COUNTERBORE MACHINE - CBM



The RMS Counterbore Machine (CBM) is used to machine internal transitions. This allows pipe of unequal wall thickness to be machined and matched.

Hydraulically operated clamping shoes hold the machine square to the pipe from the inside while a rotating face plate equipped with a single carbide cutting tool is fed up to 150mm into the pipe end. The depth of cut can be adjusted to best suit needs in the field.

The counterbore operation takes between 15 to 30 minutes depending on the pipe wall thickness and operator experience. The cut is made in multiple passes

Power can be supplied using a portable Hydraulic Power Unit (HPU) or by simply adapting the carrying unit.

Feature	Benefits
<ul style="list-style-type: none"> Up to 150mm cutback 14° to 30° taper angle supported 	<ul style="list-style-type: none"> Facilitates use of AUT Match unequal wall thicknesses





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Counterbore Machine		
General Specifications		
Number of Tool Holders	1	
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"	120"	3,050 mm	4,250 lbs	1,900 kg
28" - 32"	130"	3,300 mm	5,100 lbs	2,300 kg
34" - 38"	140"	3,550 mm	6,000 lbs	2,700 kg
40" - 44"	140"	3,550 mm	7,000 lbs	3,200 kg
46" - 50"	140"	3,550 mm	8,125 lbs	3,700 kg