LFDM 5000

Large Diameter Flange Facing

The Mactech LDFM is designed for precision single point tooling and rotary milling of large diameter flanges.

The central rotary hub can be adjusted independently of the mounting legs to provide a flatter more accurate surface.

A rigid tubular beam design reduces vibration allowing the LDFM to produce a bright polish with clean grooves.

The segmented leg design allows for flexibility in the range of interior diameters the LDFM can be mounted within.

With these available options and its adaptability make the LDFM ideal for the most complicated of facing projects.



Machine Features

- Adjustable ROTARY hub independent of mounting
- Milling and single point Tooling options
- Extremely rigid tubular beams for reduced vibration



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Technical Dimensions			
Interior Mounting Diameter	MIN: 55” - MAX: 185” / MIN: 1397mm - MAX: 4699mm		
Cutting Range: Milling	MIN: 55” - MAX: 205” / MIN: 1397mm - MAX: 5207mm		
w/ Extension Bracket	MIN: 55” - MAX: 229” / MIN: 1397mm - MAX: 5816mm		
Cutting Range: Single Point Tooling	MIN: 55” - MAX: 204” / MIN: 1397mm - MAX: 5182mm		
w/ Extension Bracket	MIN: 55” - MAX: 224” / MIN: 1397mm - MAX: 5689mm		
Head Travel	X-Axis: 59.5” / 511mm - Z-Axis: 7” / 177mm		
Weights	**Weight**		**Shipping Crates**
Central Hub	3500lbs / 1587kg		4100lbs 50”x50”x44”
Beams (2)	2000lbs / 907kg (1000lbs / 453kg ea.)		3035lbs 123”x48”x26”
Legs (All)	2000lbs / 907kg (combined leg segments)		2585lbs 78”x33”x35”
Drive Motor & Power Details	**Drive Motor**	**RPM**	**Power Requirement**
Milling Package Hub Motor	5.9 in^3 Hydraulic Drive Motor	.03rpm @ 15gpm	16-20 gpm @ 1800 psi
Milling Package Spindle Motor	3.6 in^3 Hydraulic drive motor	0-660rpm @ 15gpm	16-20 gpm @ 1800 psi
Single Point Package Hub Motor	22.8 in^3 Hydraulic Drive Motor	4.3rpm @ 15gpm	16-20 gpm @ 1800 psi
Single Point Package Air Feed Box	Adjustable Air Tripper	.003” - .02” Feed Per Revolution	90 psi







