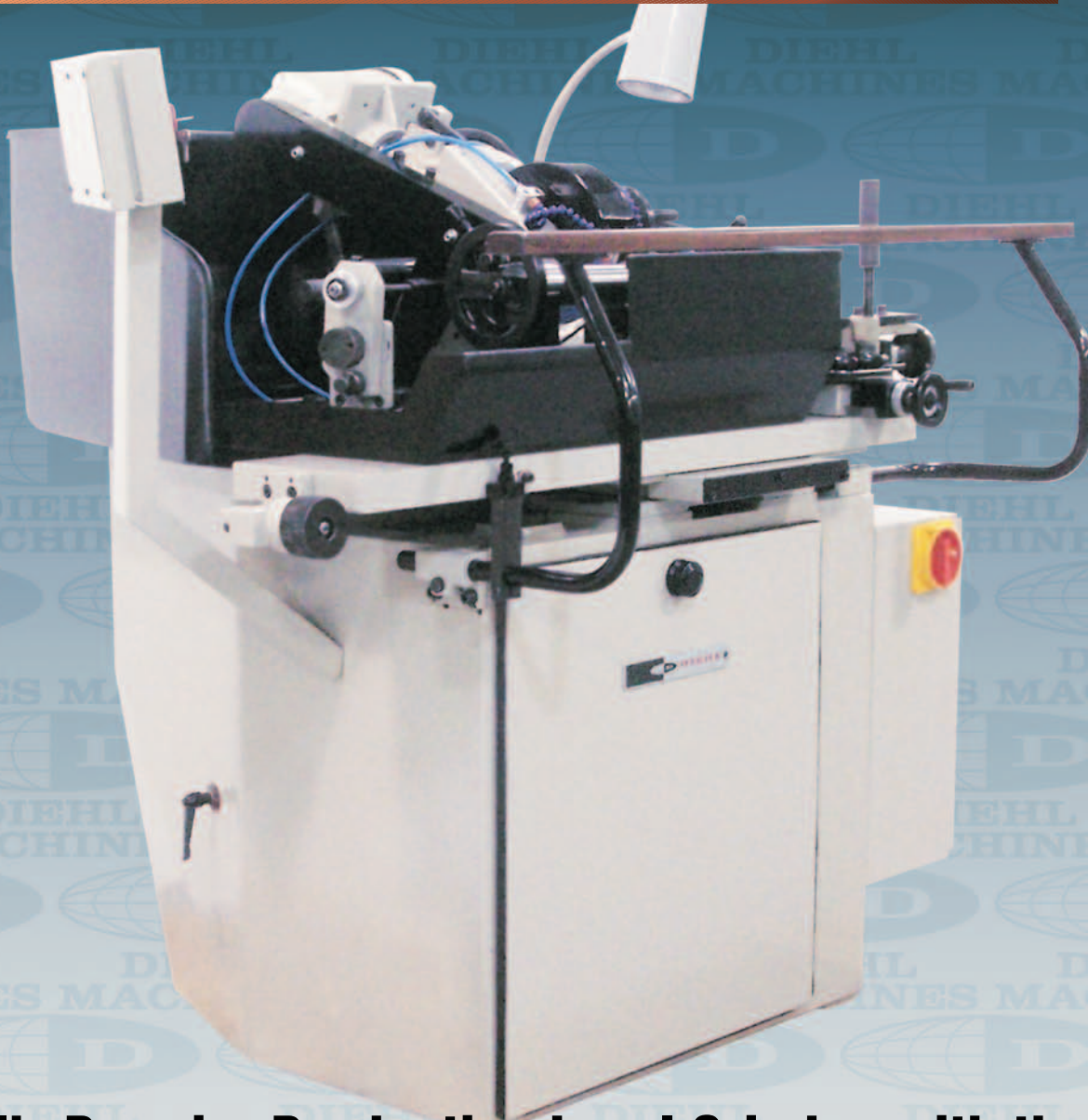


DIEHL DPG-25 PROFILE GRINDER



Diehl's Premier Production Level Grinder, with the exclusive "Point Of Origin" Wheel Dressing System, takes profile grinding to new levels of speed, accuracy and ease of operation.

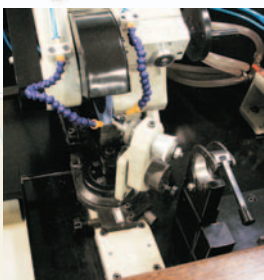


DIEHL MACHINES

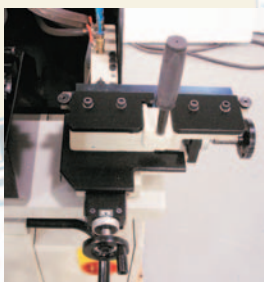
DIEHL DPG-25 PROFILE GRINDER

The Diehl DPG-25 Profile Grinder comes with many standard features for simplifying the operation:

- Convenient pedestal mounted operator control panel.
- Full removable panel for access to the coolant pump and tank.
- Adjustable arm rest & adjustable work light for operator comfort.
- Precision bearings for smooth, accurate and vibration free movement of the table slides.
- True wheel tilt for fast and precise side relief grinding of knives.
- Convenient knife back angle adjustment.
- Two upper and one lower coolant jets and a coolant flushing hose.



A Table Mounted Wheel Dressing System, unique to Diehl Machines, allows for advancing the wheel into the dresser which provides "point of origin" grinding. "Point of origin" grinding maintains constant geometry of the tool rest and grinding wheel which eliminates the need to adjust either, after dressing. Dressing is done without removing the wheel guard and wheel debris is directed away from the operator and cutterhead. The end result is greater accuracy in less time.



A Side Mounted Template System keeps the template clean of coolant and debris, and includes axial constant locating devices. The template is actual size of wood profile, insuring "true to profile" grinding and re-grinding of the knives in the cutterhead. An indicator is provided for fine adjustment of the template in .01 mm increments.



The Grinding Wheel is powered by an AC inverter drive 1.5 HP motor, giving a range of 500 - 3000 rpm, to match speed with varying wheel diameters. The wheel guard can be positioned to allow wheel changing and dressing without removal. The grinding wheel is mounted on a hydraulic hub which allows for quick and precise changing of the wheel.

Specifications

Table travel in the X axis	13"
Table travel in the Y axis	4"
Knife bevel angle adjustment	30° Range
In/out adjustment – grinding spindle	2"
Relief grinding angle adjustment	R & L - 20°
RPM of the grinding spindle	500 - 3000
HP of the arbor motor	1 1/2
Maximum cutterhead diameter	12"
Minimum cutterhead diameter	4"
Maximum cutterhead length	12 1/2"
Submersible coolant pump	w/10 gallon tank
Microadjustable diamond dresser	STD
X & Y table lock	STD
Stylus sizes	2, 3, 4mm, V-angled
Maximum diameter – grinding wheel	225mm
Minimum diameter – grinding wheel	160mm
Grinding wheel bore	60mm
Template X axis adjustment	mm microadjust
Template Y axis adjustment	mm microadjust
AC inverter drive	STD
Axial constant grinding	STD
Grinding arbor incl. STD (specify dia.)	1
Coolant jets above & below tool rest	3
Size	45"L x 55"W x 57"H
Weight	1,500 lbs.



DIEHL MACHINES

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