

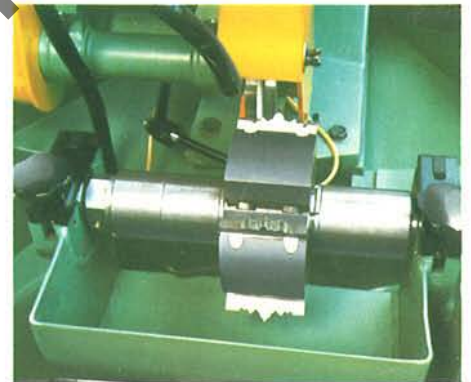
Wadkin

MODEL NX

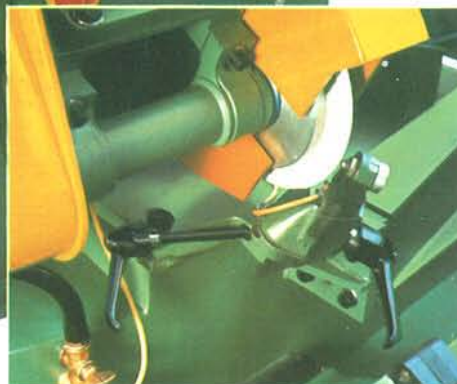
The Autoform Profile Grinder



- Tungsten Carbide tipped cutters can now be profile ground easily, at the same fast speed as high speed steel.
- Significantly more efficient than traditional methods
- Simple to operate. Requires less skilled operators
- Absolutely accurate profiles
- Guaranteed repeatability of perfect matched mouldings
- Longer cutter life - more regrinds from each cutter



Cutter profile accuracy is guaranteed, and complex profiles from straight blanks can be produced very quickly, **without having to allow for 'stretch' or 'development' on the template.**

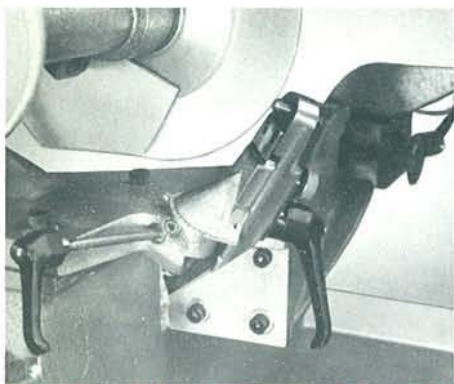


Combined diamond dresser and knife support permits radii, square and bevel dressing of grinding wheel **without having to remove guards.**



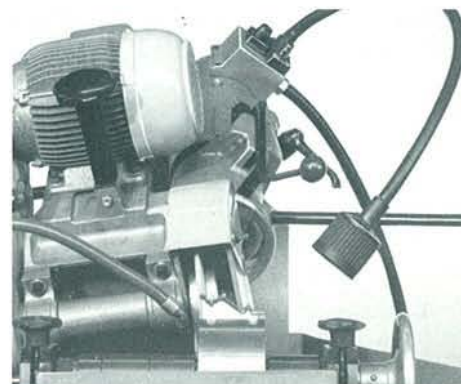
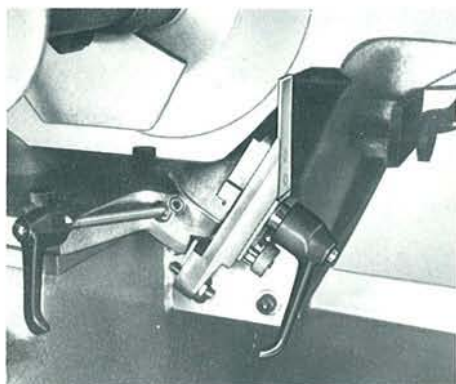
Cutters are ground in their block and old fashioned manual grinding is eliminated. The template ensures identical repeatability of cutter shape and profile.

Now the average worker can produce above-average cutters for perfectly matched mouldings.



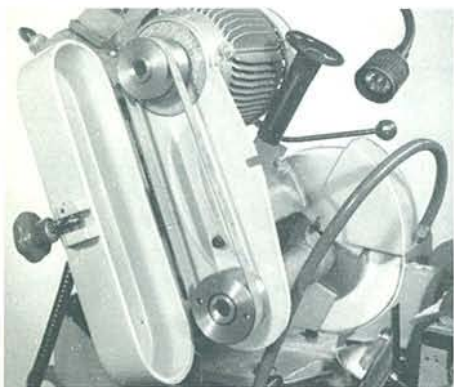
Grinding Wheel Dresser & Knife Support

Dressing of the grinding wheel is made easy on the Autoform. Merely rotate the combined diamond dresser and knife support 180°, or set the appropriate angle required on the scale which is calibrated in 10° graduations, left and right.



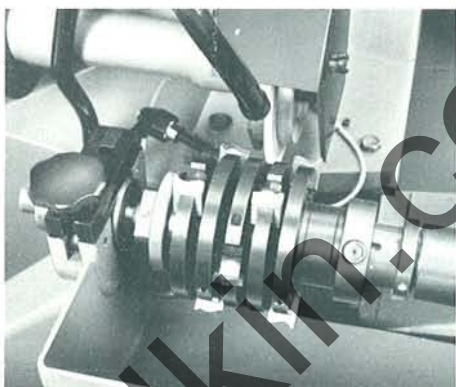
Tilting Head

For clearance grinding, the grinding wheel head can be tilted left or right 5° or 10° by a conveniently placed lever.



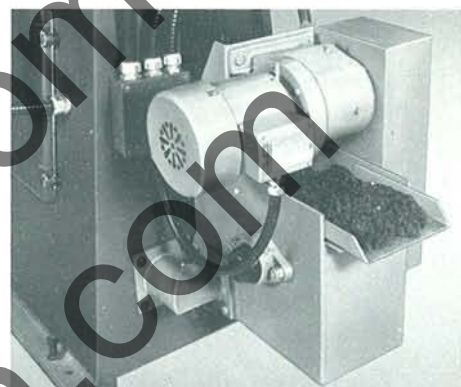
Grinding Wheel Speed Change

The speed of the grinding wheel can quickly be changed, by a simple belt adjustment, to maintain periphery speed as diameter reduces.



Grinding Segmented Cutterblocks

Requires a higher degree of accuracy and machine rigidity than conventional tooling, but is easily accomplished on the NX.



*Magnetic filter

Automatically keeps coolant clean and unclogged. Reduces pump wear and saves cleaning the coolant tank.

Specification

Grinding wheel diameter	230mm	9in
Grinding wheel width	4.7mm	
Grinding wheel bore	31.75mm	1¼in
Maximum length of cutter profile	240mm	9½in
Maximum diameter of cutting circle	250mm	10in
Minimum diameter of cutting circle	100mm	4in
Maximum depth of profile (depending upon cutter thickness)	30mm	1⅜in
Output of grinding wheel motor	0.75kW	1hp
Output of coolant pump motor	0.14kW	.18hp
Coolant tank capacity (36 litres)	150mm deep	6in deep
Speed of grinding wheel	pulley (1)	2880rpm
	pulley (2)	2500rpm

To maintain a peripheral grinding speed of 30 metres per second use:

Pulley 1 (200mm diameter and below)

Pulley 2 (230mm diameter to 200mm diameter).

Height measurement	1600mm	63in
Width	1200mm	48in
Depth (with filter)	1200mm	48in
Weight	302kg	740lb

*Optional Extra

The NX Makes Short Run Profiling an Economic Proposition.



Wadkin
The logical choice.

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As our policy is constantly to improve the design of Wadkin woodworking machinery, the details given in this leaflet are not to be regarded as binding.



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