



NV SERIES

Profile/Planer Head Grinders



ADVANCED TECHNOLOGY IN THE TOOLROOM



NV SERIES

As a Profile Grinder, the WADKIN TOOLING NV Series offers superior performance in producing and maintaining moulding and planing knives both quickly and to a concentric accuracy of 0.005mm from a master template. It will grind HSS, Stellite and Tungsten Carbide tipped knives with maximum precision.

The NV Series includes a bi-lateral linear action table which reduces operator fatigue by keeping movement to a single plane. Other standard benefits described in this information leaflet show Wadkin Tooling's expertise in the field of Grinding Machines used in today's toolroom.

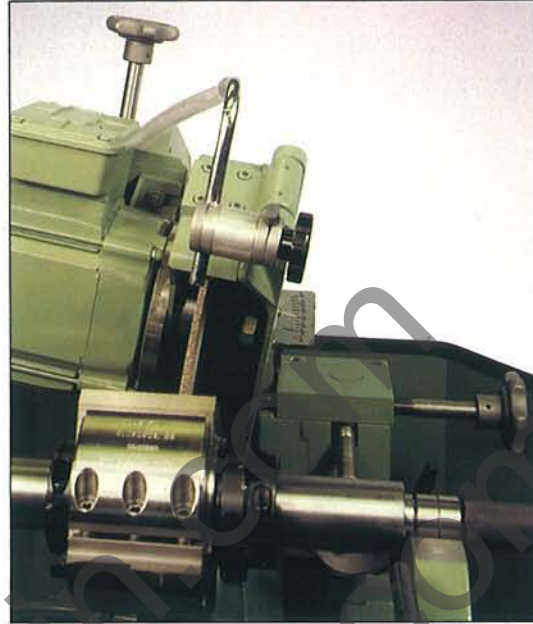


Designed and manufactured by Toolmakers



DIAMOND DRESSER

A quick, accurate and safe dresser unit is mounted directly on the carriage. This allows dressing of the wheel without removing the safety guard and is positioned away from knives. The design of the dresser on the NV Series ensures highly accurate and controlled dressing of the wheel. The relationship between the grinding wheel, tool and template is automatically maintained during dressing (i.e. automatically re-datuming) thereby overcoming the need to re-set after dressing. Calibrated adjustments allow for controlled variation of wheel width and form.

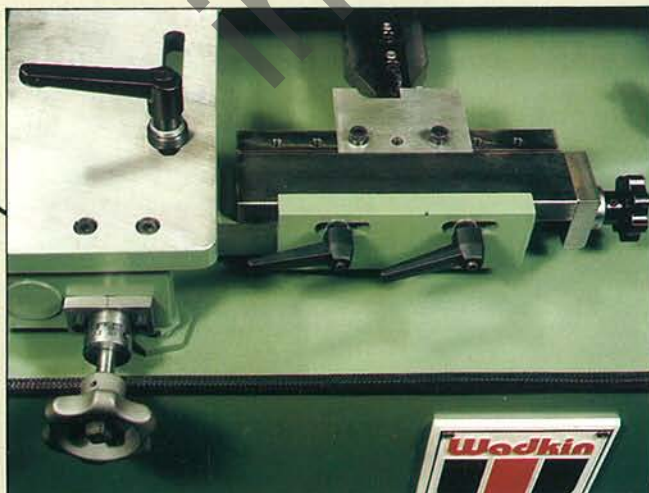
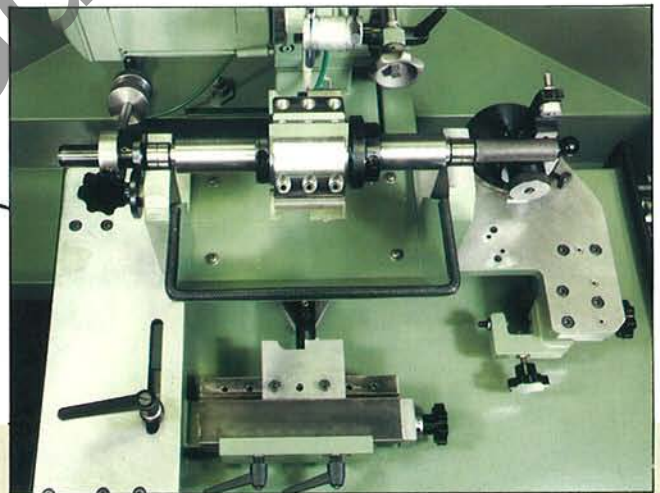


HEAD-TILT MECHANISM

The 2-Way Head-tilt mechanism is calibrated to allow an accurate and controlled side-relief grind, making redressing the grinding wheel unnecessary. The clearance angle is ground by re-positioning the grinding wheel relative to the cutter: the knife position is constant and the calibrated adjustments ensure that the wheel can always be brought back to the datum point.

ARBOR ASSEMBLY

The NV Series arbor assembly is designed for simple, rapid set-up and set-down. The cutterhead can be conveniently and accurately positioned along the arbor with the aid of two clamping rings. The knives are held on the cutter rest by the counterbalance weight which enhances operator flexibility and reduces fatigue.



TEMPLATE

The template guarantees absolute and unlimited repeatability of the desired mould with calibrated adjustments to control the depth of cut. Located well away from the knives, coolant and swarf, the template is easy to follow and free from accidental interference.



NHP

Fully automatic CNC controlled straight knife grinder.



NXU

The top of the range Universal grinding machine for profile, planerhead, solid profile, router cutter, jointing stone and template grinding.



MINI-CASS

Computer Aided Setting System fully compatible with the whole range of WADKIN and WADKIN TOOLING machines.



CUTTERHEADS

The most advanced and comprehensive range of cutterheads and related equipment on the market today.



for Toolmakers

TECHNICAL DATA

Table action	Linear
Maximum length of profile	310mm (NV300) 230mm (NV230)
Maximum diameter of cutterhead	300mm
Minimum diameter of cutterhead	75mm
Grinding wheel bore	31.75mm
Grinding wheel width . . .	4.7mm <i>(other sizes available)</i>
Maximum depth of cutter profile depending on cutter thickness	40mm
Output of grinding wheel motor	1.5kW (2hp)
Coolant tank capacity . . .	22.7 litres
Output of coolant pump motor	0.06kW (0.8hp)

MACHINE DIMENSIONS

Maximum height	1500mm
Maximum width	1270mm
Depth	1100mm
Weight	400kg

STANDARD EQUIPMENT

- 5 roughing wheels
- 3 lengths of template steel
- Instruction manual
- Coolant pump
- Arbor (diameter to requirements)
3-phase electrical specification to
requirements
- Radius and square stylus (4.7mm wide)
- 1 litre soluble oil
- Removable coolant tank
- Diamond wheel dresser
- Motor and control gear

OPTIONAL EQUIPMENT

- Spot lighting
- Full range of styli
- Full range of grinding wheels for HSS,
Stellite and TCT cutters
- Template making toolkit
- Narrow grinding finger for segmental
tooling
- Variable grinding wheel speed control



WADKIN TOOLING is becoming increasingly well known as one of the world's major producers of tooling and equipment used on all modern woodworking machinery. With a manufacturing operation equipped with the latest in computerised controlled machining centres, WADKIN TOOLING is committed to supplying quality products at competitive prices.

The WADKIN TOOLING wide range of products are sold throughout the world and are renowned for their technical excellence and value for money.

As part of our policy to offer our customers the best possible service, we have the expertise to design and manufacture products to suit your requirements. For further information, please contact our Leicester headquarters.



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