

MIRA[®]

Swiss Precision Tooling



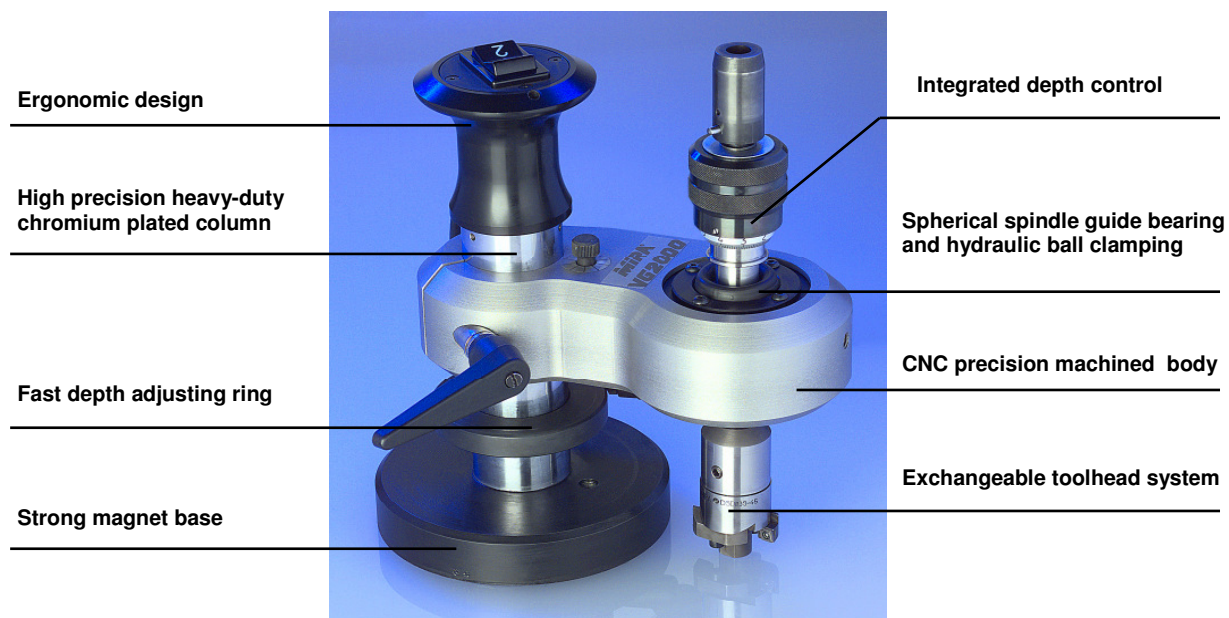
VGX-21

Valve Seat Refacing Unit

VGX-21

MIRA®

The new VGX-21 valve seat refacing unit has been developed for the specialised petrol and diesel cylinderhead workshop and the demanding high performance expert. The highly accurate valve seat processing is achieved by a new spherical spindle guide bearing as well as a new hydraulic ball clamping system. A pressure-free precise centering and braceless fixing of the MIRA rotary head is made possible in order to achieve precise concentric valve seats !

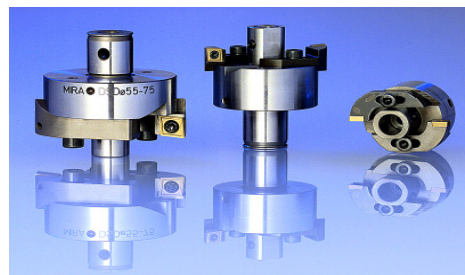


The new MIRA Valve Seat Refacing Unit



The VGX-21 tooling system features new exchangeable **DT-TOOLHEADS** for the fast and easy adjustability to the desired seat dimensions. A large selection of original **MIRA MULTICUT FORM-TOOLS** with 45 deg. and 30 deg. seat angles and all widths, as well as a huge range of original **MIRA PILOTS** are listed in the illustrated MIRA tooling catalog !

The newly developed double edged toolhead with exchangeable **hard alloy carbide tips** makes it easy to rationally turn out valve seat rings and to manufacture ring seat counterbores with great accuracy.



The new **MIRA Adjusting Micrometer EM-25-75** makes it possible to rapidly adjust the selected toolhead for seat ring processing to the exact and desired overdimension. Based on the rapid adjustability a high degree of productivity is achieved !

MIRA – Swiss Precision Tooling & Equipment !

HM 2000 NG **MIRA**[®]

High Performance Cylinder Head Center

HM-2000 NG

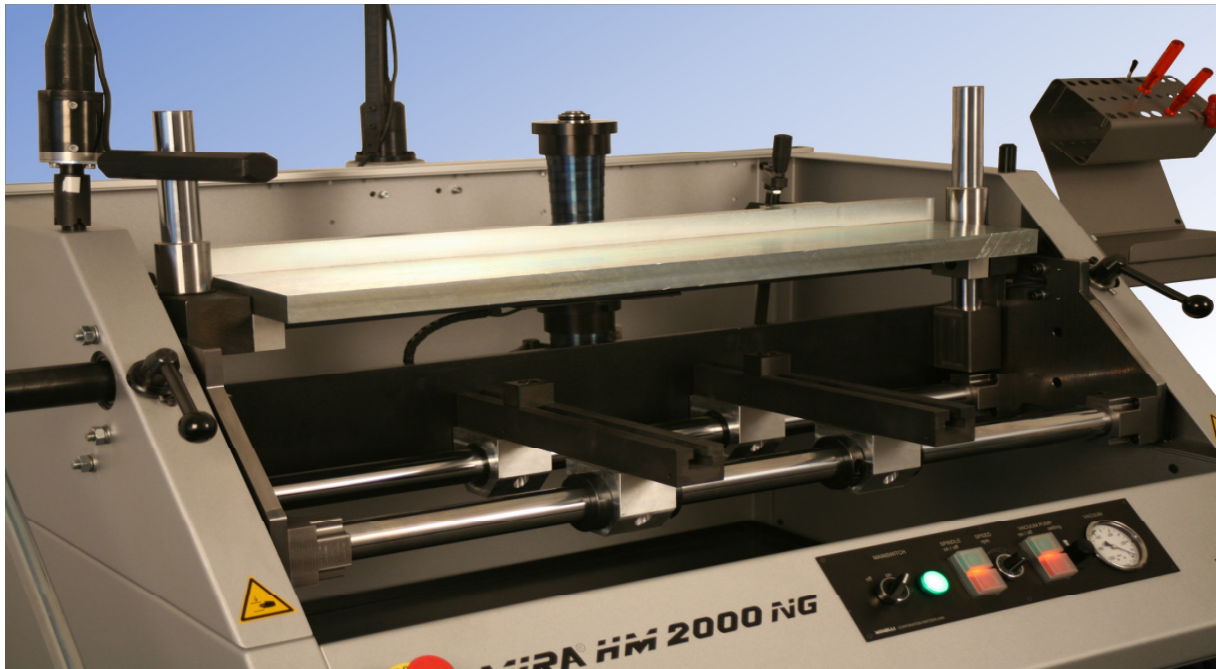


HM 2000 NG standard features

- 800mm/300° rotating heavy duty cylinder head support
- Fully motorized z-axis with 150mm table hub
- Joystick controls for smooth and tight head clamping
- Vario-Drive stepless electronic drive unit
- Integrated MULTIVAC vacuum test unit

SWISS MADE quality tooling and equipment

HM 2000 NG



Specifications

VGX-21 Valve Seat Refacing Unit

Valve Stem Diameter:	min/ max	4 to 16mm
Valve Seat Diameters:	min/max	16 to 75mm
Seat ring counterbores:	min/max	21 to 75mm
Spindle speed (stepless):	min/max	0 to 200 1/min
Spindlehead clamping:		Hydraulic

HM-2000 NG Cylinderhead Workplace

Cylinder Head Support:	Z-axle motorized, 300 rotating
Max Cylinderhead Length:	800mm
System Voltage	110/230 Volt
Floor Space:	2200 x 1800 x 2000mm
Machine Weight:	320 Kg

MIRA[®] *Swiss Made Precision Tooling*

Manufacturer

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