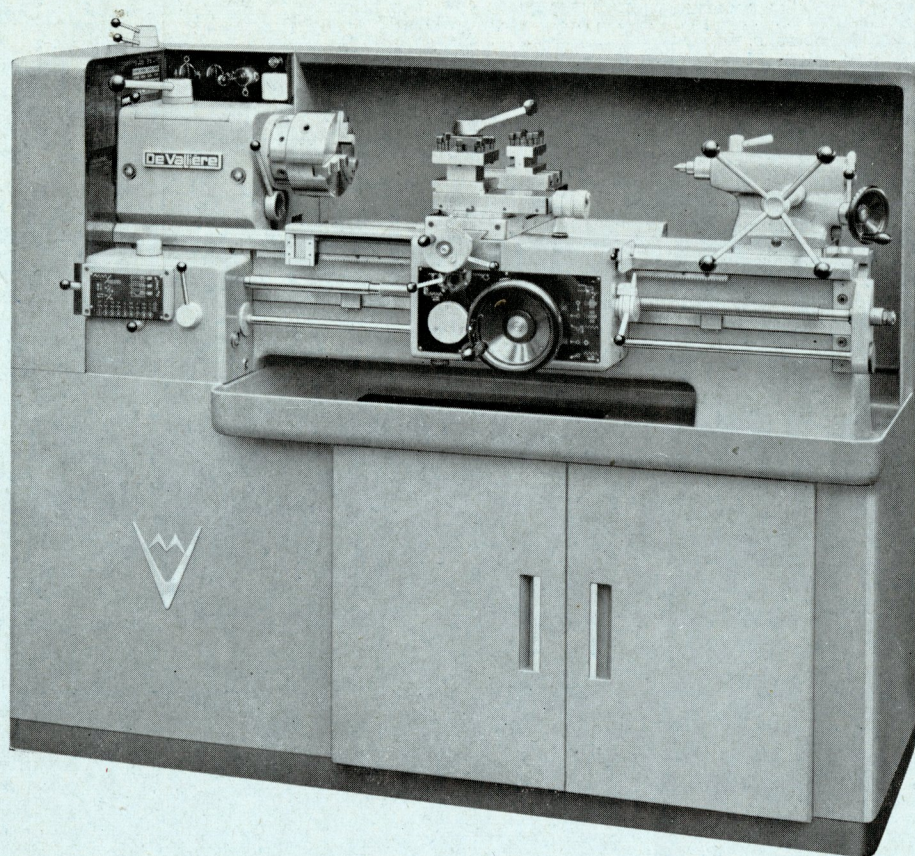


De Vallière



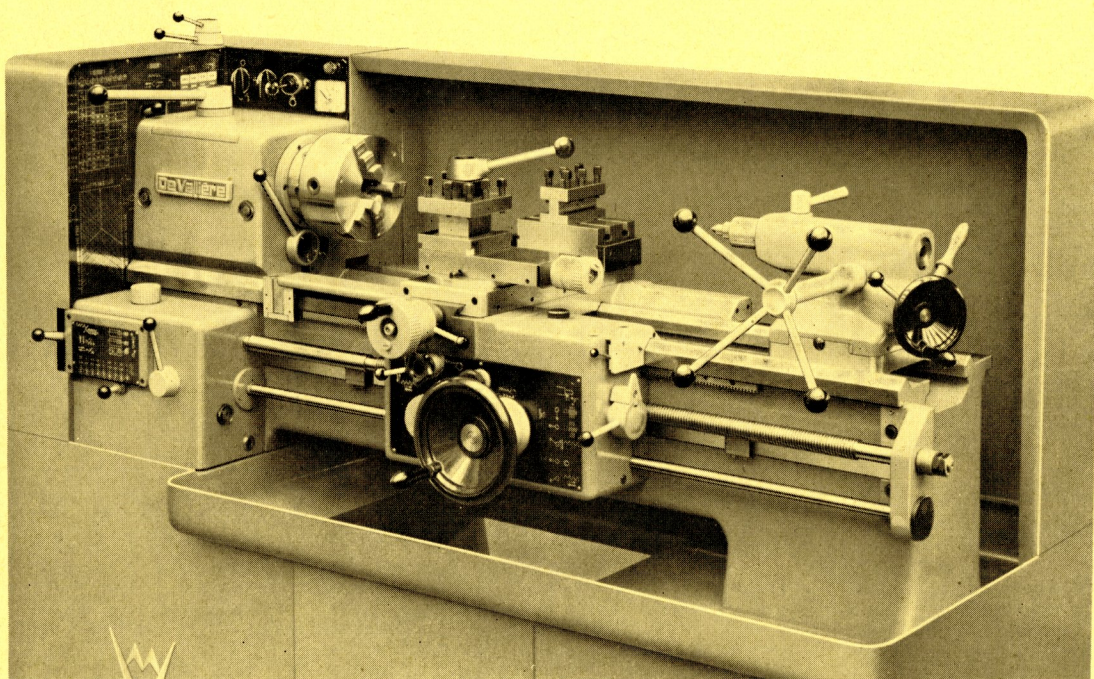
VERY HIGH PRECISION LATHE "H. 140 E"

The actual technics call for more and more of intricate mechanisms of medium and small sizes of high accuracy needing for their realisation specially built machine tools. This is the case of our new VERY HIGH PRECISION SLIDING AND SCREW CUTTING LATHE « H. 140 E » that completes the family of our « H. 130 » lathes of which almost 7.000 are in use at the end of 1966. Besides sturdiness, high power and accuracy rarely found together in a machine of this type, this new lathe has many original characteristics allowing a great flexibility of use :

- Hardened, ground and protected prismatic bed ways.
- Spindle mounted on three « GAMET » ultra-precision taper roller bearings.
- CAM-LOCK D1-4" spindle nose with fast mounting of chucks by means of cams.
- All shafts and all gears, including pick-of gears, are made of Ni-Cr steel treated at 140 kg.
- All headstock and gearbox gears hardened and ground.
- Norton type semi automatic lead and feed change gearbox.
- Screws and leadscrew hardened and ground.
- Automatic stop against positive stops for all feed movements.
- Automatic stop for screw cutting.
- Single lever for both feeds and screw cutting.
- Split nut on leadscrew very long and mounted on hardened and ground ways.
- Fast relieve of cross slide for screw cutting.
- Double wall apron completely enclosed.
- High accuracy, four station, square toolpost.
- Tailstock driven through handwheel and capstan.
- Central oiling.
- Centralised controls.
- Very complete and accessible electric equipment.
- Electromagnetic brake.

SPECIFICATIONS OF THE "H. 140 E" LATHES :

Height of centers	140 mm
Distance between centers, tailstock flush	750 mm
Swing over bed	280 mm
Swing over bed on a length of 200 mm	320 mm
Swing over cross slide	150 mm
Length of slide under saddle	350 mm
Width of bed	240 mm
Hole through spindle	35 mm
Headstock spindle taper	N° 5 Morse
Headstock spindle nose	Cam.Lock D 1-4"
Tailstock spindle diameter	40 mm
Tailstock spindle travel	180 mm
Tailstock spindle taper	N° 3 Morse
Compound rest travel	100 mm
Size of lathe tools	20 x 20 mm
Leadscrew	6 mm
Cross-feed screw	2,5 mm
Compound rest screw	2,5 mm
Spindle speeds with two speed motor (16)	28-2 500 r.p.m.
Motor	4 h.p.
Packing	1 700 x 900 x 1 500 mm
Net weight (approx.)	750 kg
Gross weight (approx.)	850 kg



REGULAR EQUIPMENT

1 Complete electric equipment including: Master switch locking the door of the electric equipment - Double main motor starter-inverter - Low tension controls - Main motor with overload protection in the motor - Coolant pump overload relay - Transformer with fuses - Five position hand lever switch: forward, backward, idle, stop with brake, reengagement after a safety release - No volt release - Release at the opening of the doors of the electric equipment and quadrant or for an overload of the main motor - 1 Ammeter - 1 Three phase main motor with electromagnetic brake - 1 Coolant pump with tubing reservoir motor and switch - 1 Work light mounting - 1 Bed with hardened and ground ways and protections - 1 High precision, four position, square toolpost - 1 Simple positive stop - 1 Set of gears for cutting english threads - 1 Tailstock capstan - 1 AMERICAN CAM LOCK D 1-4" spindle nose - 1 170 mm Ø face plate - 1 300 mm Ø face plate - 1 150 mm Ø three jaw, steel body, chuck with two sets of tempered jaws, one set of soft jaws and one key - 1 Headstock center with sleeve - 1 Tailstock center - 1 Endless main belt - 1 Set of wrenches - 1 Shelf in the right part of the cabinet - 1 Oil gun - 1 Service book.

ADDITIONAL EQUIPMENT (please consult us for all your needs concerning tooling.)

SEND US THE DRAWING OF THE PART, WE SHALL STUDY YOUR PROBLEM.

M. DE VALLIÈRE S. A.

100, RUE DE PARIS

92-BOULOGNE-BILLANCOURT FRANCE - TÉL. 605-74-86