

## EVO PRIME

High precision machine with technologically advanced technical solutions, conceived to work seats and valve guides of all kinds of cylinder motor heads.

Automatic centering system based on the spherical and flat air-float cushion crossed action principle, electronic motor control with variable speed and digital counter display (Inverter). High speed and silenced bearings on the spindle.

Three air cushions. The first one on the upper bed, on the spindle head (2 axis). The second one on the spindle (spherical cushion 360°). The third one on the clamping fixture lower bed (2 axis). Machine spindle head clamping by double pneumatic jack.

Universal, reliable and safe machine.

Machining capacity with greatest precision on all kind of seats of all kind of cylinder motor head, from motorcycle to industrial vehicle.

Allows the machining from guides of 3,5 mm and seat diameters between 14 and 80 mm.

360° rotating universal jaws clamping system with set of 12 adjustable levelling plugs and key. Clamping on the lower bed with two pneumatic jacks.

Upper workhead bed 1500 mm long. Lower parallels support 1370 mm long.

Displacement of the spindle between first and last guide mm 1080

Max cylinder head dimensions using the 360° support mm 1150

Max cylinder head dimensions using the flat head support (optional): illimited

Extremely solid structure, composed steel bed. Air floating flat cushion on lower table allows a precise centering and relieve the effort.

Registrable mechanical end of stroke for repetitive works.

Integrated lighting system with halogen lamps on the base of the machine.

Standard equipment: tool holder S-IT5100 with bit holders S-IT2000 S-IT2001 S-IT2002 (for diam. 18-60 mm).

Suggested tooling: set of 7 carbide pilots, set of 10 carbide bits, tool rack for pilots, vacuum checker with set of pads, carbide bit sharpener with tool holder support.

Optional tooling: bit holder S-IT1999 (mm 14-26); tool holder S-IT5300 with two bit holders: S-IT2003 and S-IT2004 (for diam. 40-80 mm).





## EVO PRIME - TECHNICAL DATA

### Max cylinder head dimensions

Lenght:	illimited
Width :	mm 550
Height:	mm 450

### Centering workhead travel

Lenghtwise	mm 1080
Crosswise	mm 8

### Cylinder head support table travel

Lenghtwise	mm 11
Crosswise	mm 150

Spindle vertical travel	mm 200
Max spindle inclination	6 degrees
Machining capacity	mm 14-80
Spindle motor power	KW 0,75
Spindle rotation speed	35 to 700 rpm with Inverter
Air pressure supply	6-7 Bars
Air volume supply	300 L/min
Electric supply	1,5 kVA - 230 v/50 monophase
Noise level at 700 rpm	60 DBA
Approximative net weight	kg 900

### Overall machine dimensions

Length	mm 1500
Width	mm 1000
Height	mm 2100
Packing dimensions	mm 1700x1170x2210

