



TS60 Valve seat boring machine

Features :



High precision valve seat and valve guide cutting machine especially designed for multi-valve cylinder heads. Patented workhead with triple air-float patented centering system and built-in spindle motor. TENDTOOL TS60 is high precision machine featuring the latest technology incorporating air -float automatic centering and motorspindle. Air-floated table fixture can make the movement of workpiece more flexible. Especially developed for the repair of small motorcycle and automotive multivalve cylinder heads.

- Fitted with the new tooling that decreases the cutting force by 30%, this machine will cut the hardest seats.
- Machine bed structure optimized by static and dynamic calculation, with a functional design.
- Machining capacity from 0.551" / 14mm to 2.36" / 60mm.
- Fully integrated spindle motor: infinitely variable spindle speed, 0 to 1000 r.p.m., with sensorless Vector Flux Control in open loop (Extremely broad torque ratings from lowest r.p.m.).
- Rigid, low-inertia workhead. Easy to use due to an automatic reset system.
- Air-floated table fixture with 400mm lengthwise and 40mm crosswise travel.

TECHNICAL FEATURES:

Machine Space requirements	TS60	
Length	Mm/inch	1440/56.7
Width	Mm/inch	900/35.43
Height	Mm/inch	2000/78.74
Machine Space requirements		
Length		Unlimited
Width	Mm/inch	500/19.7
Height	Mm/inch	450/17.7
Crosswise work piece tilting	Degrees	+42~-15
Machining capacity	φmm	16-60
	φinch	0.63-2.36
Work head displacement		
Lengthwise	Mm/inch	400/15.75
Crosswise	Mm/inch	8/3.15
Spindle		
Max. spindle inclination	Degrees	5
Spindle travel	Mm/inch	200/8
Spindle motor power	Kw	1.8

Spindle rotation	Rpm	0-1000
Power supply	380V/50Hz 3Ph OR 220V/60Hz 3Ph	
Air flow	Bar/psi	6/87
Max. air	l/min/cfm	300/11
Level of noise at 400rpm	DbA	72
At 1200rpm	dba	82
N W/G W	Kg/lbs	600/2310

 <u>STANDARD ACCESSORIES</u>	 <u>OPTIONAL ACCESSORIES</u>
1.bit holder	1.TD -ER20SW spanner wrench
2.tool holder	2.TD -ER20SC spring collet
3.pilot	3.T3200 Adaptor for morse
4.bits	4.T3100 Precision chuck with MT2 shank
5.tool setting device	5.TENDTOOL REAMER RN Type
6.sharpener	6.TD-ER20CN ER-32 clamping nut
7.clamping system	