

System for inserting and grinding valve seats and guides

DESCRIPTION



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Thirty years' experience in the world of engines plus a production of over 40.000 portable grinders are behind our new model RS 993: a stationary system for inserting and grinding valve seats and guides which combines the consolidated experience of PEG with the latest technological innovation. The result is an extremely reliable machine whose design has benefitted from ideas developed to solve the problems met by mechanics in keeping abreast with the dynamics of new types of engines. The electronic reduced to the minimum, without superfluous sophistications and the simplicity of the operative systems conceptions, make the RS 993 particularly reliable and movable in any workshop. The machine is a modern instrument capable of handling present and future needs in restoring with maximum precision the original efficiency of cylinder heads for any type of engine - turbo, induction, petrol or diesel.

THE INTELLIGENT

The system's intelligence is contained in the working head, which moves on an air cushion in four directions (forward, backward, right, left). The high precision spindle is attached to a ball joint which enables in to be used with inclinations in any directions of up to $\pm 7^\circ$. Movement is transmitted by a d.c. motor, keyed in axis, which makes it possible to operate with constant torque; rev. regulation from 50-800 rpm is by means of a cyclo-converter. These combined movements of the working head and sleeve enable the operative head to be positioned on the real axis of the valve guide, so that the milling operation is carried out with absolute precision.

The tool works on valve seats in any type of material: it roughs out or finishes the three angles of the seat. This saves a great deal of time because the operation is finished immediately and there is no need for final grinding to smooth off the seat. In fact this tool produces a finish far superior to that obtained by final grinding, which becomes superfluous and would even spoil the perfect finish. The tool can be changed and fitted to different motors with simple rapid operations wich do not require any particular skills.



RS 993



Working range	1100 x 100 mm
Sleeve inclination	$\pm 7^\circ$
Sleeve travel	200 mm
Min. valve seat diameter	$\varnothing 16$ mm
Max. valve seat diameter	$\varnothing 90$ mm
Spindle rotation speed	0 ÷ 1000 RPM
Voltage	220V
Power	380 W
Air pressure	116 psi
Dimensions LxPxA	150 x 120 x 200 cm
Weight	1500 Kg