

# MANUAL CUTTING SYSTEM FOR VALVE SEATS

## PRODUCT DESCRIPTION: FM1

Manual portable system for cutting valve-seats. It allows you to restore with only one operation the valve seat angles; remove the valve seat and increase the counter bore of the valve seat ring.

## BASIC EQUIPMENT

Variable inclination milling body with fixing electromagnetic base  
n°1 flat tool bit  
n°2 tool bits (1x30°; 1x45°) three angle formtools  
n°2 tool holders  
n°5 fixed pilots  
n°1 set service hand tools  
Tool adjustment gauge  
Operating manual  
Plastic Box

## OPTIONAL ACCESSORIES

Universal bench/wall support for heads  
Fixed pilots in all sizes and diameters, in both millimeters and inches  
Fixed pilots in tungsten carbide  
Electric motorization  
Vacuum tester

## PLATES ON REQUEST

Complete range of tool bits for all engines. For special orders, state the hardness and dimensions of the valve seat, as per drawing.

## MAIN SPECIFICATIONS

Minimum diameter of milling	18 mm
Diameter of milling	65 mm
Minimum diameter valve seat rings	28 mm
Diameter valve seat rings	70 mm
Chuck travel	15 mm

## ENGINE FM1

Motor feed	V 230 1PH - V 400 3PH
Motor power	Kw 0,24 x 1PH - Kw 0,37 x 3PH
Revolutions in exit	g/min 56

## FM1 ENGINE WITH VARIABLE SPEED

Motor feed	V 230 3PH
Variable speed control	V 230 1PH
Motor power	Kw 0,37
Min revolutions in exit	g/min 30
Maximum revolutions in exit	g/min 100