

# Accessories

vertical boring-milling machine BM160
















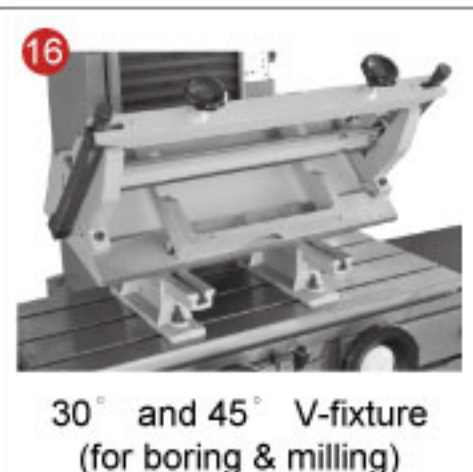
 <p>1 universal adaptor for milling cutter and bush</p>	 <p>2 boring spindle Φ52 (Φ52mm - Φ125mm)</p>	 <p>3 boring spindle Φ60 (Φ60mm - Φ160mm)</p>	 <p>4 milling head Φ300mm</p>
 <p>5 toolings</p>	 <p>6 toolholder &amp; boring cutters</p>	 <p>7 measuring device</p>	 <p>8 universal cylinder fixture</p>
 <p>9 boring spindle Φ30 (Φ31mm - Φ54mm)</p>	 <p>10 bush with No.3 morse taper</p>	 <p>11 inner micrometer</p>	 <p>12 cutter grinder</p>
 <p>13 motorcyce cylinder fixture</p>	 <p>14 universal cylinder head fixture</p>	 <p>15 30° and 45° V-fixture (for boring)</p>	 <p>16 30° and 45° V-fixture (for boring &amp; milling)</p>

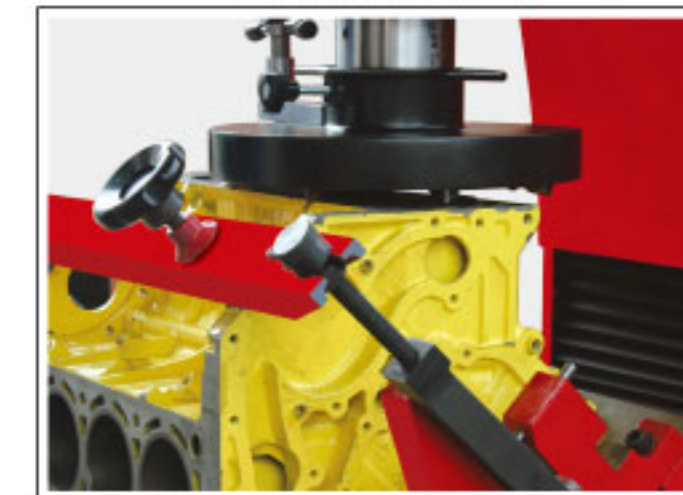
Table of Standard and Optional Accessories

Model	Standard Accessories	Optional Accessories
BM160	1,2,3,4,5,6,7,8	9,10,11,12,13,14,15,16

# BM160

vertical boring-milling machine BM160

This machine is mainly used for repair small-middle sized engine blocks and head;  
 Design by Human Engineering, easy to operation;  
 Touch sreen control,spindle speed stepless change.;  
 Cutter pouch spindle and the spindle holder, provide high accurate and efficiency;  
 Centralized lubricate system ensure the long life for the machine,use and easy for maintenance;  
 Multi-choice of accessories, boring, milling, drilling and reaming are all available,as well as motor-cycle blocks.

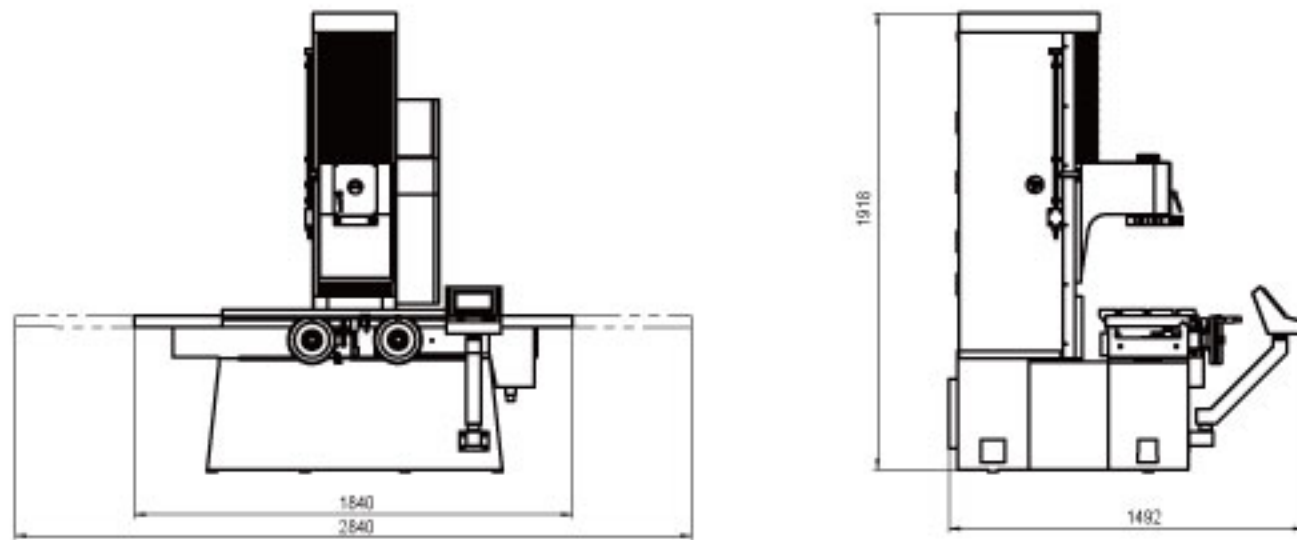




# BM160

vertical boring-milling machine

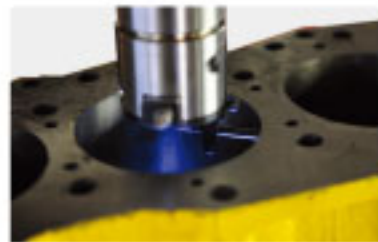
Boring machine for cylinder



## Technical Specifications

Model	BM160	
Boring capacity	Φ160 mm	
Max. boring depth	350 mm	
Max. milling area	300×800 mm	
Spindle speed	50-720 r/min	
Spindle feeding	10-900 mm/min(0.01-0.2mm/r)	
Rated torque of boring at 50-500 rpm	100 N.M.	
Rated torque of boring at 500-720 rpm	75 N.M.	
Spindle traverse	550 mm	
Distance between spindle end face and work table	0-700 mm	
Distance between spindle axis and carriage vertical plane	335 mm	
Longitudinal feeding of work table	30-1200 mm/min	
Longitudinal quick travel of work table	1200 mm / min	
Longitudinal traverse of work table	830 mm	
Cross traverse of work table	70 mm	
Work table size	400×1100 mm	
Boring accuracy	H7	
Working accuracy	Roundness	0.005 mm
	Cylindricity	0.01/300 mm
	Flatness	0.05 mm
Surface roughness	Boring	Ra1.6 um
	Milling	Ra3.2 um
Power of spindle motor	5 Kw	
Overall dimensions	2670×1170×1920 mm	
N.W. / G.W.	1800/2100 Kgs	

Boring machine for cylinder



centering device



tool setting gauge on Φ30mm spindle



centering device on Φ60mm spindle



spindle quick change system



main control panel



milling feeding gauge



30° and 45° V-fixture (for boring & milling)



30° and 45° V-fixture (for boring)



drilling component



universal cylinder head fixture



motorcycle cylinder fixture