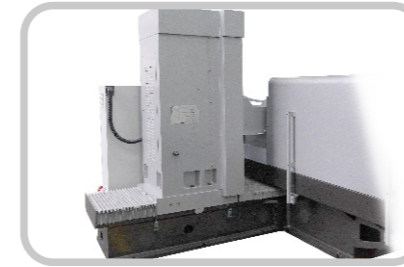
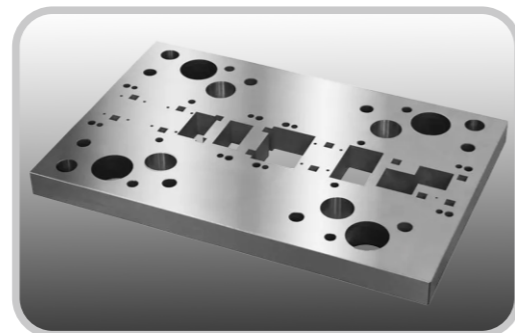


# M7163

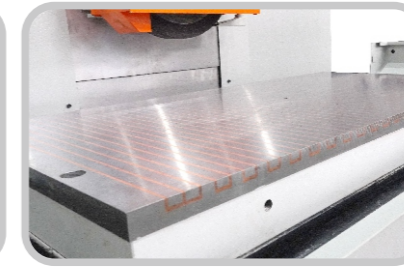
## Surface Grinding Machine

— PLC control

- Grinding surface for steel parts, casting, nonferrous metals, such as injection mold, cutter die, hydraulic part.
- X-axis move on V and flat guide surface, hard rail design, increased cutting rigidity and geometric accuracy.
- Omron PLC system set well grinding and dressing parameter, automatic precision processing.



Grinding spindle with column moving together



Powerful electromagnetic chuck



Omron PLC system with easy setting



Automatic loading-unloading for workpiece (optional)

### Standard Configuration

- Omron PLC system
- Electromagnetic chuck
- Grinding wheel:  $\Phi 450 \times \Phi 203 \times 50$ mm
- Magnetic dresser
- Grinding wheel flange
- Grinding wheel balancing arbor
- Grinding wheel balance frame
- Coolant system

### Optional Configuration

- Online inspection devices
- Forming Wheel Dresser
- Automatic dressing device (simple version)
- Dynamic and static wheelhead spindle
- High precision rolling bearing spindles

### Technical Specification :

	M7163×12/LCK	M7163×16/LCK	M7163×20/LCK	M7163×30/LCK	M7163×40/LCK	M7163×50/LCK
Working table size (W×L)	630×1250mm	630×1600mm	630×2000mm	630×3000mm	630×4000mm	630×5000mm
Max. workpiece size(W×L×H)	630×1250×400mm	630×1600×400mm	630×2000×400mm	630×3000×400mm	630×4000×400mm	630×5000×400mm
Max.table load capacity	1015mm	1500mm	1850mm	2448mm	3264mm	4080mm
Longitudinal travel	300~1350mm	300~1700mm	300~2100mm	300~3100mm	300~4100mm	300~5100mm
Transverse travel	650mm					
Distance spindle centre to table	200~625mm					
Wheel size (O.D×W×I.D)	$\Phi 450 \times 50 \times \Phi 203$ mm					
Wheel speed	1460r/min					
Grinding motor power	11kW					
Total motor power	25kW			30kW		
Constant thickness of the workpiece	300:0.005mm					
Surface roughness of the workpiece	Ra0.63 $\mu$ m					
Overall dimensions (L×W×H)	3600×3200×2200mm	4900×3200×2200mm	5900×3200×2200mm	8900×3200×2200mm	11000×3200×2200mm	13100×3200×2200mm
Machine N.W	5100kg	6000kg	7000kg	11500kg	13500kg	16500kg