

# ECO-Friendly high precision surface grinder MSG-ECO Series



MSG-200H1-ECO  
MSG-200HMD-ECO  
MSG-250H1-ECO  
MSG-250HMD-ECO

## Hydraulic-less mechanism for the longitudinal drive

Using servo motor drive for longitudinal feed, Achieving 63% reduction in power consumption. "The ECO series machine does not use a hydraulic system." Heating expansion of cast iron is and accuracy is minimized stable.

Other effects

Hydraulic Oil fee

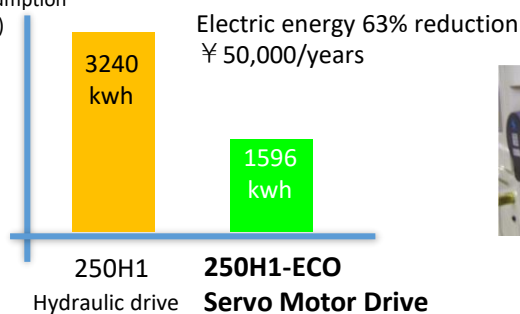
CO2 Reduction amount

**912kg · kwh Reduction**

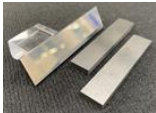
Table minimum stroke

**30mm**

Power consumption (kwh)



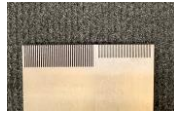
### Sample of grinding



Six-sided Tooling Die Parts



Cylindrical Parts



Fine Pitch Connector Core Pin



Servo Motor drive for longitudinal feed

### Optional Accessories



Magnescale Digital Readout  
Part No. DRO&DROI



Chuck Control  
Part No. SMART1B



13GAL Stainless Steel Coolant Tank w/ Paper  
Part No. MSTP-50



Over The Wheel Dresser for 8" Part No. OTW8



Dust Scoop Assy Part No. DS



8" Wheel Guard with built-in Dust Scoop Part No. WGSP8IPO



Optidress Part No. OPTIDRESS

Specification		MSG-200H1-ECO	MSG-250H1-ECO	MSG-200HMD-ECO	MSG-250HMD-ECO
Capacity	Table Work Surface	6×13-1/2"	8×19"	6 × 13-1/2"	8×19"
Table(C/F)	Movement per Rev. of Hand Wheel	0.1"	0.1"	0.1"	0.1"
	Fine Feed Attachment(OP)	0.00005"	0.00005"	OP	OP
Head	Movement per Rev. of Hand Wheel	0.05"	0.05"	0.05"	0.05"
	Fine Feed Attachment (OP)	0.00001"	0.00001"	OP	OP
Wheel	Size	8"×3/4"×1-1/4"	8"×3/4"×1-1/4"	8" × 3/4" × 1-1/4"	8" × 3/4" × 1-1/4"
	Spindle speed (50Hz/60Hz)	2,900/3,460rpm	2,900/3,460rpm	2,900/3,460rpm	2,900/3,460rpm
Motor	Spindle	1.0kw/2P V3	1.0kw/2P V3	1.0kw/2P V3	1.0kw/2P V3
Power	Power Supply	2KVA	2KVA	5KVA	5KVA
Floor Space	Width × Length × Height	58×46×71"	75×51×71"	90"×53×69"	73×51×69"
Gross Weight		1870lbs	2350lbs	2200lbs	2750lbs



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