

# mitsui

# MITSUMI PARTS REFERENCE MANUAL

MODELS:

MSG-200H1 & 250H1

MSG-250H2, H2A & SE

MSG-818HMD & 1224HMD/HG

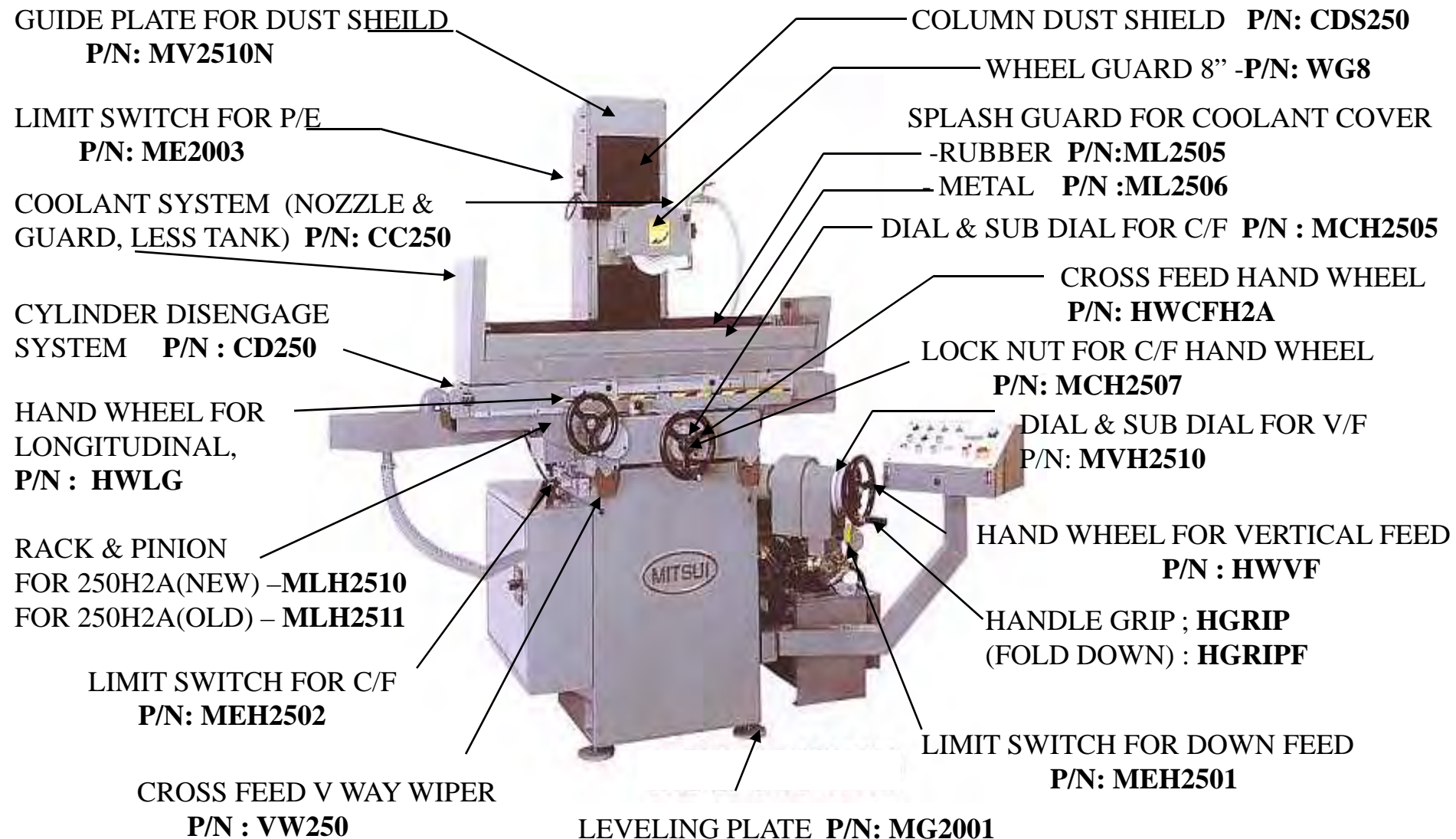
# Table of Contents

- 3. General parts for Hydraulic Model
- 5. Accessories for Hydraulic Model
- 7. Cross feed for Hydraulic Model
- 8. Fine cross feed attachment for Hydraulic Model
- 10. Vertical feed for Hydraulic Model
- 11. Fine vert. Feed for Hydraulic Model
- 13. Spindle head
- 15. Longitudinal feed parts for Hydraulic Model
- 17. Coolant cover

# Use of Parts Reference Manual

1. When ordering referenced parts you should now use part numbers to identify parts. Pictures are provided to clearly identify parts or assemblies.
2. Your part orders must include machine model and serial number for correct identification.
3. This manual is intended to be a reference to facilitate identifying parts for Mitsui grinders. It covers the most commonly required parts and units. If you cannot identify a part quickly with this manual please contact your local distributor.
4. All photos are reference only. Your part may differ from the picture.
5. You can also contact Mitsui High-tec (USA) for technical support (847-593-1634 x101 or x110)

# GENERAL PARTS FOR HYD MODEL



## GENERAL PARTS

NO	DESCRIPTION	Parts Number			
		250H2A/H2	250SE	818HMD	1224HG/HMD
1	Guide Plate For Column Dust Shield(New)	MV2510N			MV3010N
2	Column Dust Sheild	CDS250			CDS1224
3	Coolant Cover Complete less Tank	CC250			CC1224
4	Rubber Splash Guard (Back)	ML2510			ML3010
5	Splash Guard - Metal For CC (Front)	M2511			ML3011
6	Wheel Guard 8"	WG8			N/A
7	Wheel Guard 12"(Not Shawn)	WG12			
8	Hand Wheel for Longitudinal Feed	HWLG			
9	Hand Wheel for Cross Feed	HWCFH2A			
10	Hand Wheel for Vertical Feed	HWVF			
11	Handle Grip	HGRIP			
12	Handle Grip Fold Down	HGRIPF			
13	Lock Nut For C/F Hand Wheel	MCH2507			
14	Cross Feed V Way Wipers	VW250			
15	Cylinder Diengage System	CD250			
16	Limit Switch For P/E(UP)	ME2503			ME3003
17	Limit Switch For Cross Feed	MEH2502			
18	Dial & Sub Dial For Cross Feed	MCH2506			
19	Rack & Pinion	MLH2511			
20	Rack & Pinion For 250H2A(OLD)	MLH2510			
21	Leveling Plate	MG2001			
22	Limit Switch For HMD Down Feed			MEH2501	MEH2501
23	Dial & Sub Dial For Vertical Feed	MVH2510			
24	Metering Unit	MG2010			

# General Accessories

DUST SCOOP  
(200,250 series)  
**P/N - DS**



OVER WHEEL DRESSER  
FOR 8" - **P/N - OTW8**  
FOR 12" - **P/N - OTW12**  
FOR 1224 - **P/N OTW1224**



(1224 Not Pictured)

BALANCING STAND & ARBOR  
FOR 8" **P/N - BSA8**  
FOR 12" **P/N - BSA12**  
FOR 1224 **P/N - BSA1224**  
FOR 407 **P/N - BSA407**



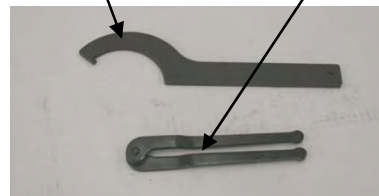
(1224/407 Not Pictured)

WHEEL ADAPTER  
STANDARD 8" - **P/N - WA8**  
BALANCIN 8" - **P/N - BWA8**  
BALANCING12" - **P/N: BWA12**  
BALANCING1224 - **P/N-BWA1224**  
BALANCING407 - **P/N-BWA407**



(Ref. Picture for 8" only)

WHEEL ADAPTER WRENCH  
**P/N -MA2001 P/N - MA2002**



(For 8" only)

ONE SHOT LUBRICATOR  
**P/N - MANLUB**



<b>mitsui ACCESSORIES</b>		
<b>S/N</b>	<b>DESCRIPTION</b>	<b>Part Number</b>
1	Dust Scoop	DS
2	Over The Wheel Dresser for 8" Wheel	OTW8
3	Over The Wheel Dresser for 12" Wheel	OTW12
4	Over The Wheel Dresser for 1224 Manual	OTW1224
5	Over The Wheel Dresser for 1224 Hyd.	OTW1224H
6	Balancing Stand & Arbor for 8" Wheel	BSA8
7	Balancing Stand & Arbor for 12" Wheel	BSA12
8	Balancing Stand & Arbor for 1224	BSA1224
9	Balancing Stand & Arbor for 407	BSA407
10	Wheel Adapter Std.for 8" Wheel	WA8
11	Wheel Adapter Bal.for 8" Wheel	BWA8
12	Wheel Adapter Bal.for 12" Wheel	BWA12
13	Wheel Adapter Bal.for 1224 Wheel	BWA1224
14	Wheel Adapter Bal.for 407 Wheel	BWA407
15	One Shot Lubricator	MANLUB
16	Wheel Adapter Wrench(Hook Type)	MA2001
17	Wheel Adapter Wrench(Vee Type)	MA2002



# Cross Feed Screw & Bushing



STANDARD CROSS FEED  
SCREW & BUSHING



STANDARD CROSS FEED BALL SCREW

## CROSS FEED SCREW'S - P/N

MODEL	Standard cross-feed screw	Fine Cross-Feed Screw	Standard Cross – Feed Ball Screw	Fine Cross-Feed Ball Screw
<b>250H2A(Old) (HYD TANK INSIDE)</b>	<b>CF250</b>	<b>FC250</b>	<b>CFBS250</b>	<b>FCBS250</b>
<b>250H2A(N)/SE (HYD TANK OUTSIDE)</b>	<b>CF250SE</b>	<b>FC250SE</b>	<b>CFBS250SE</b>	<b>FCBS250SE</b>
<b>818HMD</b>	<b>CF818HMD</b>	<b>FC818HMD</b>	<b>CFBS818HMD</b>	<b>FCBS818HMD</b>
<b>1224HMD/HG</b>	<b>CF1224HG</b>	<b>FC1224HG</b>	<b>CFBS1224HG</b>	<b>FCBS1224HG</b>



# Fine Cross Feed Attachment



FINE CROSS FEED  
SCREW & BUSHING

(250MH pictured)



FINE CROSS FEED  
ATTACHMENT

<b>MODEL</b>	<b>Fine Cross Feed Attachment</b>
<b>250H2A(Old) (HYD TANK INSIDE)</b>	<b>N/A</b>
<b>250H2A(N)/SE (HYD TANK OUTSIDE)</b>	<b>FCA250SE</b>
<b>818HMD</b>	<b>FCA818HMD</b>
<b>1224HMD/HG :</b>	<b>FCA1224HG</b>

## CROSS FEED PARTS (HYD)

S/N	DESCRIPTION	Part Number			
		250H2A(Old)	250H2A/SE	818HMD	1224HMD/HG
1	Cross Feed Screw & Bushing Std	CF250	CF250SE	CF818HMD	CF1224
2	Cross Feed Screw & Bushing Fine	FC250	FC250SE	FC818HMD	FC1224
3	Cross Feed Ball Screw Std	CFBS250	CFBS250SE	CFBS818HMD	CFBS1224
4	Cross Feed Ball Screw Fine	FCBS250	FCBS250SE	FCBS818HMD	FCBS1224
5	Fine Cross Feed Attachment		FCA250SE	FCA818HMD	FCA1224
6	Screw Cover for C/F				MC3001
7	Nut Stand Std		MCH2502		MCH3002
8	Nut Stand For Ball Screw		MCH2503		MCH3003
9	Thrust Bearing for C/F		MC2504		MCH3004
10	Dial & Sub Dial Assly for C/F		MCH2505		MCH3005
11	Dial & Sub Dial Assly for Fine C/F		MCH2506		MCH3006
12	Lock Nut for C/F Hand Wheel-H2A		MCH2507		MCH2507

# V/F Parts for Hydraulic Model

(For 250H2A,250SE,818HMD,1224HG/HMD)

## VERTICAL FEED SCREW & BUSHING STD

For 200H1 P/N : VF200

For 250H2A/SE/H1/HMD P/N: VF250

For 1224HMD/HG – P/N: VF1224

## DIAL & SUB DIAL FOR V/F

For 818HMD/SE : P/N: MVH2501

For 250H2A : P/N : MVH2502



V/F SCREW COVER  
FOR 200/250  
P/N : MV2009  
(Not Pictured)

BELLOW FOR  
V/F WAY COVER  
P/N : MV2011- FOR200  
P/N : MV2511 – FOR 250



VERTICAL FEED  
HAND WHEEL  
P/N : HWVF

HANDLEGRIP-  
FOLD DOWN  
P/N : HGRIPF

PROX SWITCH –  
APS-13-4N(Koyo)  
P/N: ME2521

Note: 250H2 ,250H1 & 200H1 has vertical feed same as Manual Machine

# Fine Vertical Feed Attachment

(For 200H1 ,250H2 & 250H1 same as manual machine)

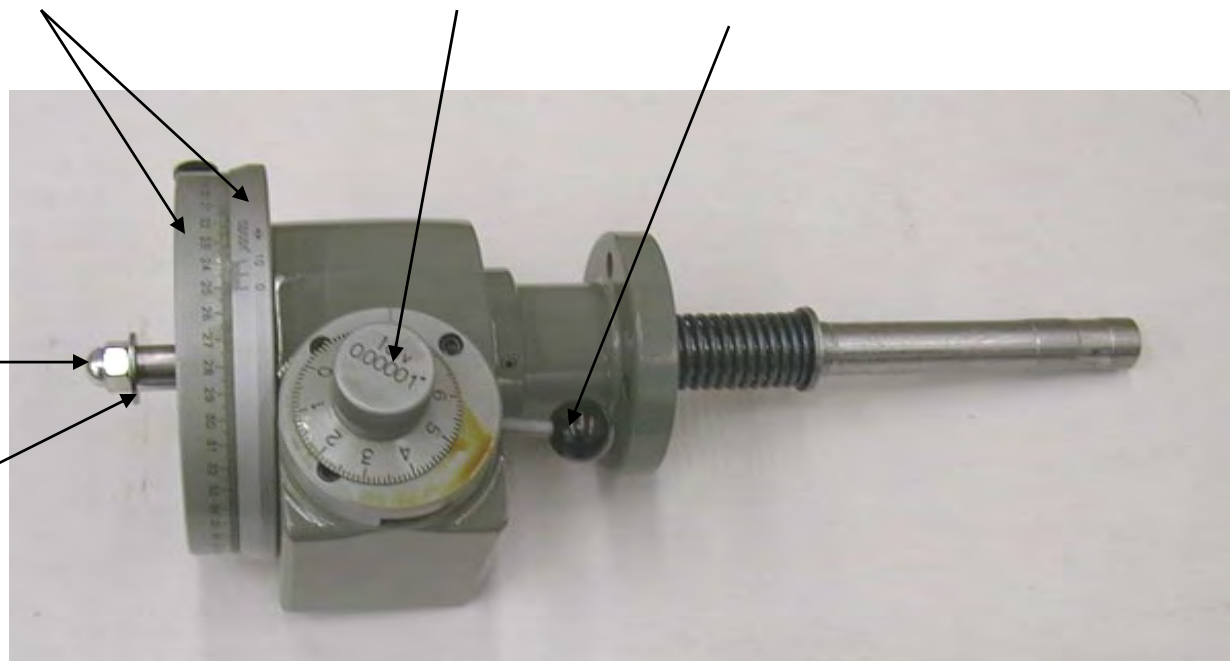
Dial & Sub Dial for F/V  
P/N : MV2006

Dial for Fine Feed  
P/N : MV2007

Knob For Fine Feed  
P/N: MV2008

Cap Nut  
P/N: MG2002

Washer  
P/N: MG2003

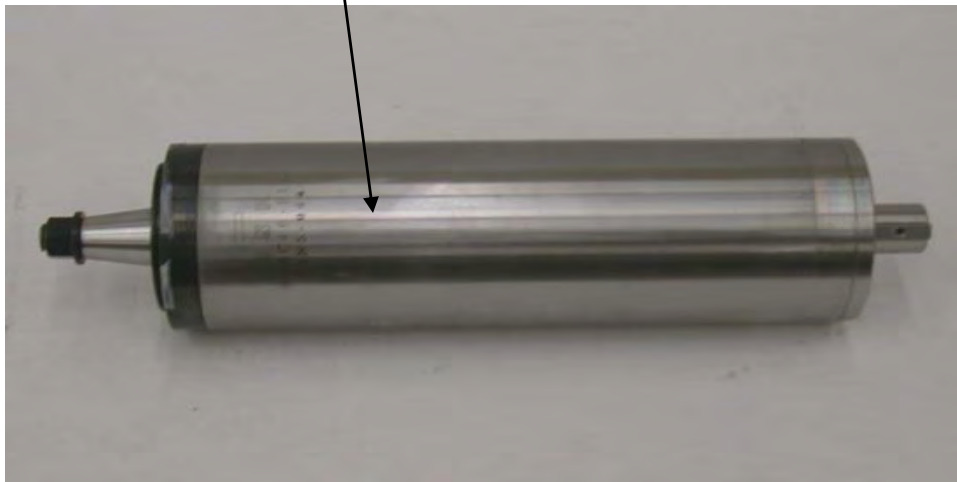


**FINE VERTICAL FEED UNIT FOR 200, 205, 250MH, 200H1 & 250H1/H2  
Optional in Place of Std V/F -- P/N - FV200**

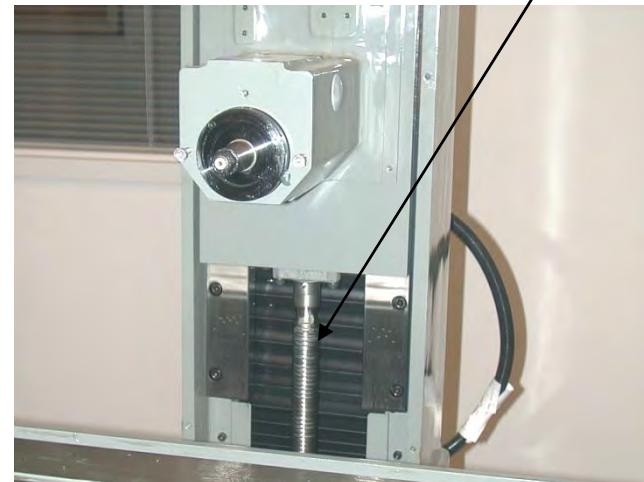
<b>VERTICAL FEED PARTS</b>					
<b>S/N</b>	<b>DESCRIPTION</b>	<b>Part Number</b>			
		<b>250H2A</b>	<b>250SE</b>	<b>818HMD</b>	<b>1224HMD/HG</b>
		<b>(Old/New)</b>			
<b>1</b>	<b>Vertical Feed Screw &amp; Bushing</b>	<b>VF250</b>			<b>VF1224</b>
<b>2</b>	<b>Dial &amp; Sub dial for Vertical Feed</b>	<b>MVH2501</b>	<b>MVH2501A</b>	<b>MVH2501B</b>	
<b>3</b>	<b>Hand Wheel for Vertical Feed</b>	<b>HWVF</b>			
<b>4</b>	<b>Thumb Screw</b>	<b>MG2006</b>			
<b>5</b>	<b>Pin for Thumb Screw</b>	<b>MG2008</b>			
<b>6</b>	<b>Vertical Feed Screw Cover</b>	<b>MV2009</b>			<b>MV3009</b>
<b>7</b>	<b>Vertical Feed Way Cover 2 Pcs Set</b>	<b>MV2511</b>			<b>MV3002</b>
<b>8</b>	<b>Pinion and Spiral Gear set</b>	<b>VPS200</b>			<b>VPS300</b>
<b>9</b>	<b>Pinion Shaft</b>	<b>MV2003</b>			<b>MV3003</b>
<b>10</b>	<b>Lock Washer for V/F # 82</b>	<b>MV2004</b>			
<b>11</b>	<b>Lock Nut for V/F # 65</b>	<b>MV2005</b>			

# Spindle Head for 200/250

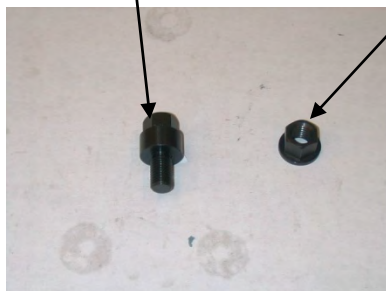
Spindle Std (New) – **SP200**  
 Spindle Std (Rebuilt) – **SPRE OR SPRI**  
 (on exchange basis)



Vertical Feed Screw & Bushing  
 For 200 – **VF200**  
 For 250 – **VF250**



SPINDLE NUT P/N – **SPNUT**  
 SPINDLE BOLT P/N - **SPBOLT**



Coupling Assly Std. – **MS2006**



RUBBER SPIDER(OLD)- P/N:**MS2007A**  
 (NEW)- P/N :**MS2007**



Spindle Motor  
 MTR1K2P220  
 P/N : **MS2015**



3	<b>Spindle Standard Internal (Rebuilt)</b>	<b>SPRI</b>	<b>SP1224R</b>
4	<b>Spindle Bolt</b>	<b>SPBOLT</b>	<b>MS3005</b>
5	<b>Spindle Nut</b>	<b>SPNUT</b>	
6	<b>Spindle Lock Collar Set</b>	<b>MS2001</b>	<b>MS3001</b>
6	<b>Coupling Assembly</b>	<b>MS2006</b>	<b>MS3006</b>
7	<b>Rubber Spider (New) - 8 Prong</b>	<b>MS2007</b>	<b>MS3007</b>
8	<b>Rubber Spider (Old) - 2 Pcs set</b>	<b>MS2007A</b>	
9	<b>Spindle Motor 1KW2P220(std)</b>	<b>MS2015</b>	
10	<b>Spindle Motor 1KW2P460</b>	<b>MS2016</b>	
11	<b>Spindle Motor 1.5KW2P220</b>	<b>MS2017</b>	
12	<b>Spindle Motor 1.5KW2P460</b>	<b>MS2018</b>	
13	<b>Spindle Motor 1.5KW4P220</b>	<b>MS2019</b>	
14	<b>Spindle Motor 1.5KW4P460</b>	<b>MS2020</b>	
15	<b>Spindle Motor 3.5KW4P220(std)</b>		<b>MS3015</b>
16	<b>Spindle Motor 3.5KW4P460</b>		<b>MS3016</b>



# Longitudinal Feed for Hydraulic Model

(250H2A,250SE,818HMD,250H2,250H1,200H1 & 1224HMD/HG)

## Hardened Steel Ways



Rack & Pinion – **MLH2511**

Longitudinal Hand Wheel – **HWLG**

Handle Grip - **HGRIP**



## Linear Ball Bearing



Lock Nut For C/F Hand Wheel  
P/N: **MCH2507**

Cross Feed Hand Wheel – **CFH2A**

	200H1	250H2A, 818HMD 250SE, 250H2/H1	1224HG/HMD
HARDENED STEEL WAYS (NEW) (4 Pcs Set)	HS200	HS250	HS1224
HARDENED STEEL WAYS(REBUILT)	HS200R	HS250R	N/A
LINEAR BALL BEARINGS (2 Pcs Set)	LB200	LB250	LB1224
HYDRAULIC CYLINDER ASSEMBLY	CYL200	CYL250	CYL1224

## LONGITUDINAL FEED PARTS

S/N	DESCRIPTION	Part Number		
		200H1	250H2A,250SE,818HMD	1224HMD/HG
1	Hardened Steel Ways	HS200	HS250	HS1224
2	Hardened Steel Ways ( Rebuilt )	<a href="#">HS200R</a>	HS250R	
3	Linear Ball Bearing	LB200	LB250	LB1224
4	Hydraulic Cylinder Assembly	CYL200	CYL250	CYL1224
5	Rack & Pinion for L/F	MLH2010	* MLH2510	MLH3010
6	Hand Wheel for L/F	HWLF	HWLF	HWLF
7	Cap Nut For Hand Wheel	MG2002		
8	Washer for Hand Wheel	MG2003		
9	Cylinder End Nut	MLH2501		
10	cylinder Cushion Washer	MLH2502		
11	Cylinder Seal Kit	MLH2005	* MLH2505 & M2505A	MLH3005
<b>Note: Rack &amp; Pinion * For 250H2A(old) &amp; 250SE - P/N: MLH2511</b>				
<b>Seal Kit for 250 P/N: MLH2505 for old cylinder &amp; MLH2505A for New Cyl.</b>				

# Coolant cover

(For Manual & Hydraulic Model)



Coolant Cover Complete  
Less Tank

Splash Guard Front (Metal)  
P/N: SEE BELOW

Special Wheel Guard for 8"  
P/N : SPWG8

Rubber Splash Guard  
P/N : ML2010 for 200  
ML2110 for 205  
ML2510 for 250  
ML3010 for 1224

Table Dust Cover

COOLANT COVER PART NO (Coolant Cover are same as manual Machine)

	200H1	250H2A,SE,H1,H 2,818HMD	824HMD	1224HG/H MD
Coolant Cover Complete less Tank	CC200	CC250	CC824	CC1224
Splash Guard (Rubber)	ML2010	ML2510	ML2610	ML3010
Splash Guard (Metal)	ML2011	ML2511	ML2611	ML3011
Table Dust Cover ( L & R)	ML2012	ML2512	ML2612	ML3012