

## Gantry III Spare Parts

### Replacement Screws

Model	Gantry Bottom (X-Axis)	Gantry Top (Y-Axis)
015 (13" x 11")	HL5134M1100630	HL5134M1100630
027 (19" x 21")	HL5134M1100880	HL5134M1100880
040 (29" x 21")	HL5134M1101130	HL5134M1100880
054 (39" x 21")	HL5134M1101380	HL5134M1100880
067 (33" x 31")	HL5134M1101380	HL5134M1101130
130 (49" x 41")	HL5134M1101780	HL5134M1101380

Gantry Clearance	Z-Axis Part Number	Replacement Screw
122.5 mm (Model 015 only)	HL31□BM23051005	HL5134M1100300
200 mm (8")	HL31□BM512040005	HL5134M1100400
300 mm (12")	HL31□BM512050005	HL5134M1100530
500 mm (20")	HL31□BM512070005	HL5134M1100730

*Replacement nut for all machines is HL5234M213001*

### Replacement Individual Bearings

Model	Gantry Bottom (X-Axis)	Gantry Top (Y-Axis)
015 (13" x 11")	HL4500M222002	HL4500M222001
027 (19" x 21")	HL4500M222002	HL4500M222001
040 (29" x 21")	HL4500M222002	HL4500M222001
054 (39" x 21")	HL4500M222002	HL4500M222001
067 (33" x 31")	HL4500M222002	HL4500M222001
130 (49" x 41")	HL4500M222002	HL4500M222001
All Z axis slides		HL4500M222001

*The bearing plate with 4 bearings, used on both the gantry and Z axes is HL4700M219301*

### Replacement Rails

Model	Gantry Bottom (X-Axis)	Gantry Top (Y-Axis)
015 (13" x 11")	HL4222M001600	HL4222M001600
027 (19" x 21")	HL4222M001850	HL4222M001850
040 (29" x 21")	HL4222M0011100	HL4222M001850
054 (39" x 21")	HL4222M0011350	HL4222M001850
067 (33" x 31")	HL4222M0011350	HL4222M0011100
130 (49" x 41")	HL4222M0011750	HL4222M0011350

Z axis rail for model 015	HL4222M0010300
Z axis rail for standard height gantry	HL4222M0010400
Z axis for 300mm height gantry	HL4222M0010500
Z axis for 500 mm height gantry	HL4222M0010700

## Motors and Cables for Stepper Systems

Part Description	Part Number
Stepper Motor Cable, 10' (DB9-Round Amphenol)	HX1700M6143
Stepper Motor Cable, 10' (DB9-DB9)	HX1700M6149
Stepper Motor Cable, 25'	HX1700M2025
Stepper Motor Amphenol Connector Kit (Includes connector and pins required to mate to motor)	HX1700MSTPKIT1
Stepper Motor Driver Card	H20K16-SD15A
Power Supply for MAC200SD Stepper controller	H90Z27-KFD40E-01
125 oz-in Stepper Motor (X-Y Axis)*	HL2100M473030
150 oz-in Stepper Motor (Z-Axis)	HL2100M473040
X-Y Axis Stepper Motor Module*	HL2600M210001
Z Axis Stepper Motor Module	HL2600M210100

\* Model 130 Uses 150 oz-in motor on X-Axis

## Motors and Cables for Servo System

Part Description	Part Number
Servo Motor/Encoder Cable, 10'	HX1700M1015
Servo Motor/Encoder Cable, 25'	HX1700M1025
Servo Motor Amphenol Connector Kit (Includes connectors and pins required to mate to motor/encoder)	HX1700MSRVKIT1
X-Y Axis Servo Motor for regular gantry	H50R10-0242
Z Axis Servo Motor with brake	H50R11-0243
X-Y Axis Servo Motor Module (includes encoder) for gantry	HZ2600M1050XY3
Z Axis Servo Motor Module (includes encoder) with brake	HZ2600M024261
XY Axis Servo Motor Module for 5x8	HZ2600M105XY3
Encoder Only 500 line	H32R85-L0305
Encoder only, 1000 line	H32R85-L0306
Servo Motor Amplifier Card for regular gantry (12A peak)	H20C17-4122P-01
Servo Motor Amplifier Card for 5x8 XY axes (25A peak)	H20C17-4122P-02
Chip to upgrade to 4-axis control	H90Z15-LM628
Remote Start-Stop For Servo	H26T58-RSTOPSV
Replacement Brushes for Servo Motors (requires 2 pieces)	H50R20-00026851

## Collet Adapters

3mm to 1/4" collet adapter, .472" long	A 7A30-250312
1/8" to 1/4" collet adapter, 5/8" long	A 7A30-251205
3/16" to 1/4" collet adapter, 5/8" long	A 7A30-251805 HS7A30-251805
6mm to 3/8" collet adapter, .625" long	A 7A30-310616
Collet nut for 600W Kress	H25K00-21208
Collet nut for 900W Kress	H25K00M45157
1/4" Collet for either Kress	H25K00-1174
1/8" Collet for either Kress	K25K00-1178

## Miscellaneous Items

Part Description	Part Number
End Bearing	HL5300M3478
Far End Limit Switch	H90Z16M10107172
Flexible Motor Coupling	HL5500M3473
Home Switch (old style)	HL1600M
Home Switch (new style - enclosed)	HL1600M390052
Inertial Damper	H90Z12-17967
Servo Motor Driver	H20C17-4122P-01
Stepper Motor Driver	H20K16-SD15A
Motor Housing Extrusion	HL1500M681636-1
Coupling Housing Extrusion	HL4700M681699-1
Teflon Lip Seals	HL6100M219101
Washers (between end bearings)	HL5600M893128
M8 lock nut for Gantry III	H91X06MM08X125
M10 lock nut for HDII slides	H91X06MM10X125
Screws for motor standoff	HX6100M5070
Motor Standoff	HL4700M691699-60
Inertial Damper (for gantry machines)	H90Z12-17967
Limit switch at far end of travel	H90Z16-SWH3L2HS
600 W Kress brushes	H25K00-BRUSH
900 W Kress brushes	H25K00M24837
600 W Kress motor	H24K00M2208
900 W Kress motor	H24K00M6990
900 W Kress speed controller (\$30)	H25K00M45489

## DaVinci Spare Parts List

Description	Part Number
DAV CTRL SIDE	HL1200M309002
DAV CONTROLLER	HL1200M39001
DAV RELAY MOD	HL1600M309002
DAV RELAY HOUS	HL1600M390002
DAV DR RELAY MD	HL1600M39002
DAV CIRCUIT FIL	HL1600M562516
DAV EMERG HC SW	HL1600M562517
DAV CIRCUIT FIL	HL1600M566027
DAV Z LMT SWH	HL1600M567035
DAV.RS232 CABLE	HX1700M6667
DAVINCI STAND with Vacuum	HX3500-242123V
DAV ENCLOSURE	HX3500-242E
Inertial Damper for DaVinci	H90Z12-65A2902B

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