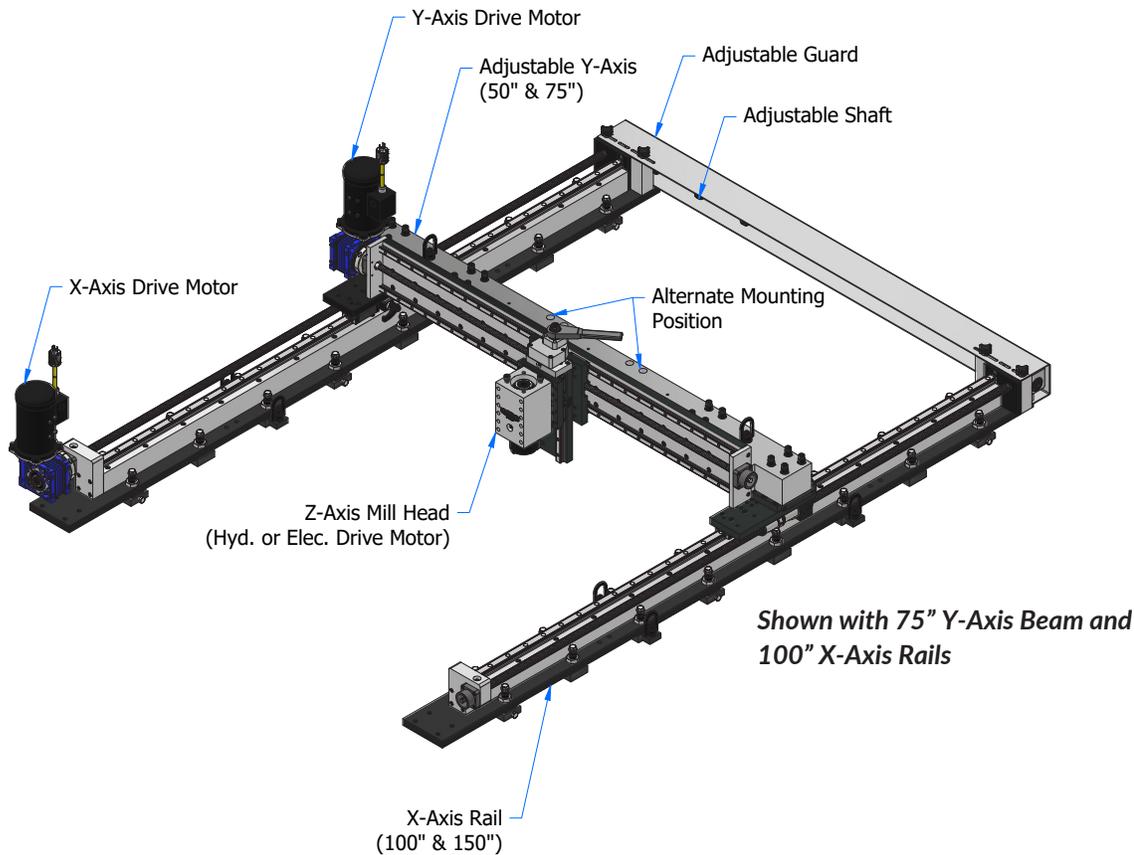


# MACTECH

# PGM-SD

PORTABLE GANTRY MILL - STANDARD DUTY

MACTECHONSITE.COM



## PRODUCT DESCRIPTION

No more waiting for parts to be transported to a shop or dealing with misaligned cuts. With the Portable Gantry Mill - Standard Duty, you get precision and power right where you need it, whether that's on a tough work site or in a tight space. It moves easily, sets up fast and delivers uncompromising results — so you can focus on the job without any tools slowing you down.

Mactech offers a fast response with the best technicians and support, short delivery times, high accuracy, and custom setups make Mactech's Portable Gantry Mill - SD among the most versatile of on-site milling machines for your job.

## FEATURES

- ADJUSTABLE Y-AXIS MOUNTING FOR FOOTPRINT FLEXIBILITY AND CANTILEVER CONFIGURATIONS
- LIGHTWEIGHT FOR EASIER LIFTING AND POSITIONING
- ADJUSTABLE JACKING SCREWS AND SUPPORT PLATES MAKE SETUP QUICK AND EASY
- LINEAR RAILS, PRECISION BALL SCREWS AND RIGID SETUP ENSURE ACCURATE MACHINING
- EASY TO USE: REMOTE X AND Y-AXIS MOTOR CONTROLS
- 50" AND 75" Y-AXIS BEAMS
- 100" AND 150" X-AXIS RAILS
- ENQUIRE ABOUT CUSTOM SIZING

**MACTECH INC.**  
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WORK HARD

WORK SAFE

WE BEFORE ME

WELCOME CHALLENGES

WOW THEM

# MACTECH

# PGM-SD

PORTABLE GANTRY MILL - STANDARD DUTY

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## SPECIFICATIONS

### X-AXIS:

Electric Feed Motor: 120 Input, 1/2 HP  
 Gear Reduction: 40:1  
 Feed Rate: 0 to 21.25 inches/minute

### Y-AXIS:

Electric Feed Motor: 120 Input, 1/2 HP  
 Gear Reduction: 40:1  
 Feed Rate: 0 to 21.25 inches/minute

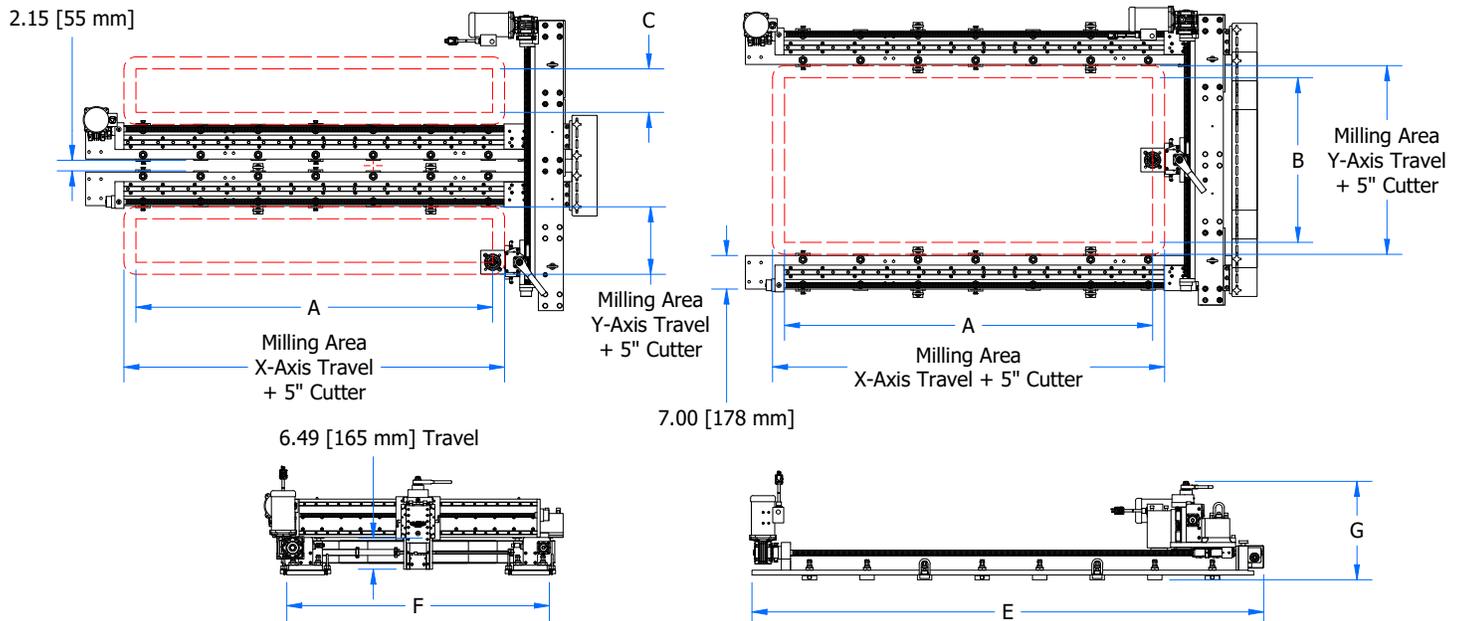
### Z-AXIS:

MT6 Slide, manual or electric feed  
 NMTB 40 / CAT40 taper bearing spindle

### SPINDLE MOTOR:

Hydraulic: 3.6 cu in, 500rpm @ 1000psi 8gpm , Hydraulic: 9.7 cu in, 185rpm @ 1000psi 8gpm  
 Electric: 110v or 220v @ 0-570rpm variable, 4 speed reversible

| PGM-SD<br>RAIL X BEAM | Milling Area       |                   |   |                               | Length<br>(E)      | Width<br>(F)       | Height<br>(G)  | Weight            |
|-----------------------|--------------------|-------------------|---|-------------------------------|--------------------|--------------------|----------------|-------------------|
|                       | X-Axis<br>(A)      | Y-Axis<br>(B)     | Y-Axis (C)<br>Recommended<br>Cantilevered | Y-Axis<br>Max<br>Cantilevered |                    |                    |                |                   |
| 100 x 50              | 76.75" /<br>1946mm | 34" /<br>863mm    | 24" / 609mm                               | 30.5" / 774mm                 | 106.5" /<br>2711mm | 54.75" /<br>1391mm | 24" /<br>609mm | 1345lb /<br>610kg |
| 100 x 75              | 76.75" /<br>1946mm | 53.5" /<br>1360mm | 24" / 609mm                               | 44.5" / 1136mm                | 106.5" /<br>2711mm | 75.75" /<br>1924mm | 24" /<br>609mm | 1519lb /<br>689kg |
| 150 x 50              | 116" /<br>2949mm   | 34" /<br>863mm    | 24" / 609mm                               | 30.5" / 774mm                 | 146" /<br>3707mm   | 54.75" /<br>1391mm | 24" /<br>609mm | 1741lb /<br>748kg |
| 150 x 75              | 116" /<br>2949mm   | 53.5" /<br>1360mm | 24" / 609mm                               | 44.5" / 1136mm                | 146" /<br>3707mm   | 75.75" /<br>1924mm | 24" /<br>609mm | 1825lb /<br>828kg |



All dimensions and hydraulic requirements are for reference and may be subject to change without notice. Machine performance is subject to application and operator capability; please discuss your requirements directly with a Mactech sales representative. All information given and all sales made by Mactech Inc. are subject to their terms and conditions.

WORK HARD

WORK SAFE

WE BEFORE ME

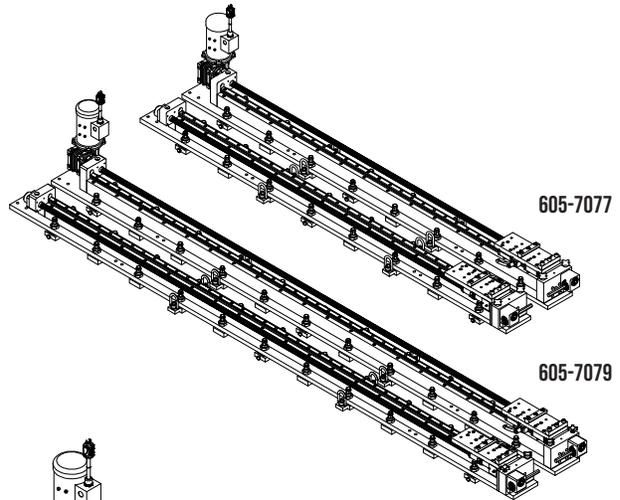
WELCOME CHALLENGES

WOW THEM

### X-AXIS RAIL KIT OPTIONS (CHOOSE ONE)

Includes 30MM Linear Rail, 120v Motor, Tool Kit, and Shipping Box

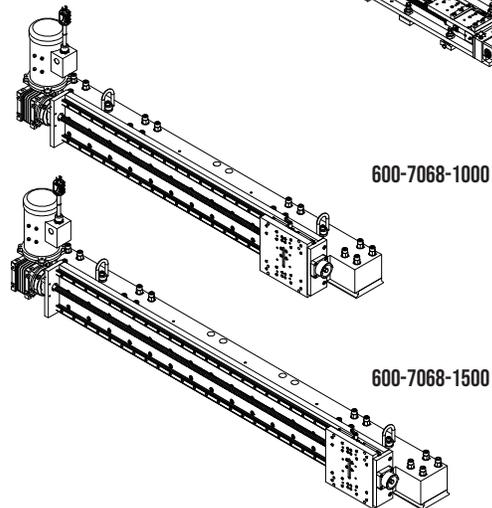
- |                 |                               |
|-----------------|-------------------------------|
| <b>605-7077</b> | 2000mm LH & RH Pair<br>(100") |
| <b>605-7079</b> | 3000mm LH & RH Pair<br>(150") |



### Y-AXIS BEAM KIT OPTIONS (CHOOSE ONE)

Includes Cross Feed Slide Assy, 120v Motor, and Shaft Guards

- |                      |                                       |
|----------------------|---------------------------------------|
| <b>600-7068-1000</b> | 1000mm Cross Feed Slide Assy<br>(50") |
| <b>600-7068-1500</b> | 1500mm Cross Feed Slide Assy<br>(75") |



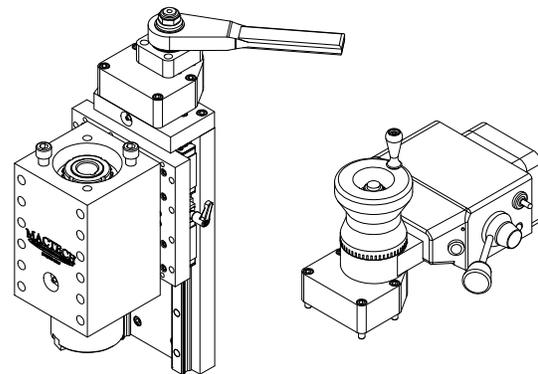
### Z-AXIS SLIDE KIT (REQUIRED)

14" Y/Z Slide Assembly with Extended ND6 Mill Head Assembly (NMTB 40 Quill) and 1:2 ratchet feed

- |                 |  |
|-----------------|--|
| <b>600-7084</b> | Gantry Mill Z Slide Assembly - 6.5" Travel |
|-----------------|--|

Power Feed (Optional)

- |                       |                     |
|-----------------------|---------------------|
| <b>600-2857 MOD-A</b> | MT6/MT8 Servo Drive |
|-----------------------|---------------------|



### HAND TOOL KIT (INCLUDED IN X-AXIS KITS)

Includes: Tool Box, Shim Set, L-Allen Key Set, T-Handle Allen Key, Ratchet Box Wrench, Lock Nut Wrench, Ratchet Drive, Combination Wrenches, Step Block and Clamp Set

- |                 |                                  |
|-----------------|----------------------------------|
| <b>601-0008</b> | Linear Rail Gantry Mill Tool Kit |
|-----------------|----------------------------------|

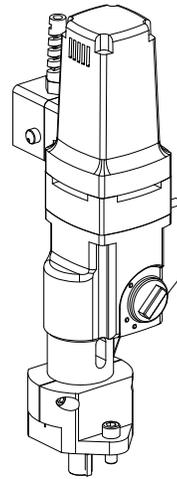
### SPINDLE MOTOR OPTIONS (CHOOSE ONE)

#### ELECTRIC MOTOR OPTIONS

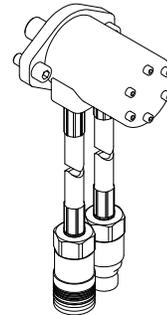
- 600-6655**      2200w, 0-570RPM Variable, 4 Speed, Reversible, 220v
- 600-6657**      2200w, 0-570RPM Variable, 4 Speed, Reversible, 110v

#### HYDRAULIC MOTOR OPTIONS

- 600-6763**      Hyd Drive - 3.6ci, 96-953RPM, 2-15 GPM
- 600-6775**      Hyd Drive - 5.9ci, 55-585RPM, 2-15 GPM



600-6655 / 600-6657



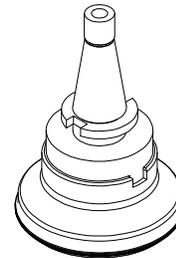
600-6763 / 600-6775

### CUTTER AND FACE MILL OPTIONS

#### FACE MILLS

Kits come with the holder, the cutter, 10 inserts, 5 spare screws, and insert tool.

- 445-1108**      4" 5 Flt 45° Face Mill NMTB 40 Taper Shank Kit
- 445-1107**      5" 6 Flt 45° Face Mill Nmtb 40 Taper Shank Kit
- 445-1078**      6" 7 Flt 45° Face Mill With Nmtb 40 Taper Kit



445-1107

### TOOLING AND INSERT OPTIONS

Available Cutters, Face Mills, and Tool Holders

- 445-2013**      Face Mill Insert SEET13T3AGSR-L ACP100 Light Cutting Steel
- 445-2014**      Face Mill Insert SEET13T33AGSR-G ACP200 General Cutting Steel
- 445-2019**      Face Mill Insert SEET13T3AGFR-L H1 Aluminum



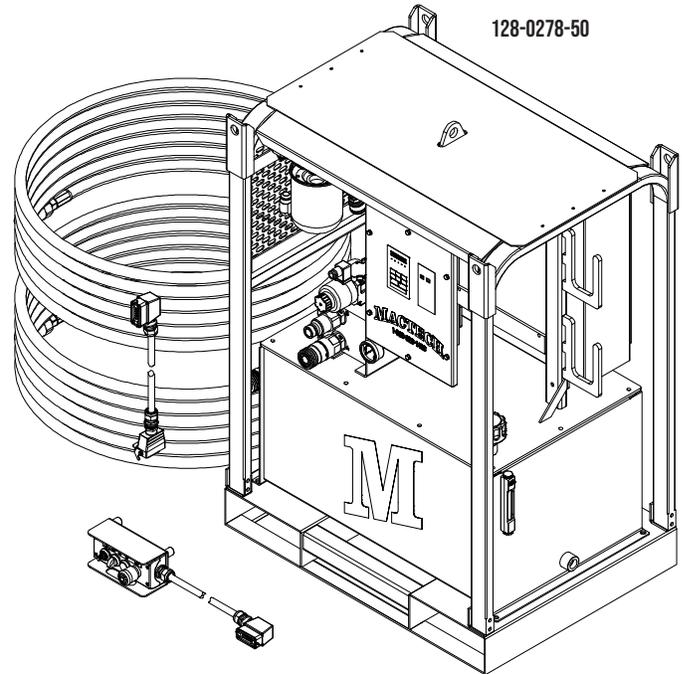
**445-2014**  
*Other material bits have same form factor*

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### HYDRAULIC POWER SUPPLY OPTION

Includes: HYD Hoses, 3/4" X 50', 3/4" ISO 16028 Flat Face Quick Disconnects

**128-0278-50** HPS, 20HP 480V, 16 GPM @ 1500



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