



**Frasagregat**  
an aescor company - Aescor AG, Austria - 8600 3100 1073  
2011  
Rechtsnachfolger: 1  
10 kW  
R2222 Bauelemente - Langzeitenergie-Planer  
Made in Germany  
Produktionsnummer  
SN: 8600 3100988  
CE

**SPEED**  
rpm  
25000  
22000  
19000  
15000  
13000  
11000  
6  
5  
4  
3  
2  
1

# PANELMAX

THE FUTURE  
OF DRYWALL

# PRODUCT GUIDE

**LASERSTRALUNG**  
NICHT IN DEN STRAHLEN, BLICKE  
keine Strahlung  
do not view directly  
never stare directly at  
DIE STRAHLEN VERURSACHEN  
keine Strahlung



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# PANELMAX REVOLUTIONIZES THE WAY DRYWALL CAN BE USED

Contractors who think of drywall and cement board in a two-dimensional sense will find out that these materials are anything but flat. Grabber Construction Products, best known for premium fastening systems for wood, metal, and drywall applications, has recently introduced PanelMax board milling machine technology, revolutionizing the way drywall can be used.

## PORTABLE

PanelMax is a portable board milling machine designed for milling many building materials from gypsum to cement board up to 54 X 144 inch.

## BRING DIMENSION TO DRYWALL WORK

Create intricate shapes and structures with PanelMax from drywall much more affordably. Projects that require a lot of manual cutting or that have complex curves have always been cumbersome and time-consuming for builders. Now even the most challenging details can be completed much more cost effectively, requiring much less finishing time and materials.



## REVOLUTIONARY

PanelMax is a revolutionary system that makes creating intricate shapes and assemblies from drywall much more affordable.

## USE PANELMAX TO MILL

- Gypsum board
- MDF board



## PERFECT CORNERS

PanelMax mills a perfect corner, using gypsum, wood, and plastic or even cement board. Precision engineered grooves allow material to be fabricated into rigid and precisely aligned assemblies. PanelMax milled corners, especially drywall, are clean and precise minimizing the need for additional finishing materials, saving time, labor and material costs.

## SIMPLE TO OPERATE

PanelMax is easy to operate with electric machine head controls, dust free milling and fast prime and glue-up fabrication. Even the most challenging assembly can be produced and installed in minutes in one piece, no bead, no finishing, no call backs.



## COST EFFECTIVE

PanelMax is clean, fast, and cost effective especially in drywall construction.

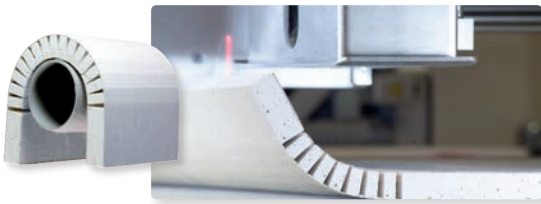
## FIND EASE IN COMPLEX CUTTING PROJECTS

PanelMax is the perfect tool for architecturally demanding projects or for large endeavors that require multiple, complex installations. This new advanced panel fabrication makes designs and innovations possible using drywall that may have been attempted or considered before.



# COMPLEX SHAPES IN DRYWALL ARE MADE EASY WITH PANELMAX

## WALL CONSTRUCTION



### SAVE UP TO 70% COMPARED TO TRADITIONAL FINISHING METHODS

- Flexible connection of noise insulation
- Wall connections
- Expansion joints
- Curves
- Round and segmental arches
- Timber installation
- Fanlight walls
- Sliding door linings
- Room corners (also in round form)
- Alcoves and recesses
- Wall openings & passages
- Lamellar cut-outs (e.g. lowered base)

## STENCIL CUT-OUTS



### SAVE UP TO 60% COMPARED TO TRADITIONAL FINISHING METHODS

- Castle cuts

## DUCT LININGS



### SAVE UP TO 80% COMPARED TO TRADITIONAL FINISHING METHODS

- Duct linings
- Ventilation duct – rectangular or round
- Storage areas and shelves

## CEILING CONSTRUCTION



### SAVE UP TO 70% COMPARED TO TRADITIONAL FINISHING METHODS

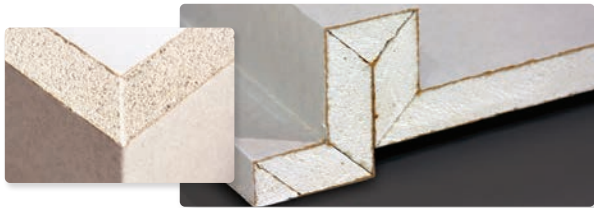
- Expansion joints
- Ceiling connection
- Perforated ceilings, cutting of perforated boards, ceiling blinds and grading
- Indirect lighting
- Canvas ceilings
- Light bars – mock coverings
- Inspection flap

## COLUMNS



**SAVE UP TO 55 - 70% COMPARED TO TRADITIONAL FINISHING METHODS**

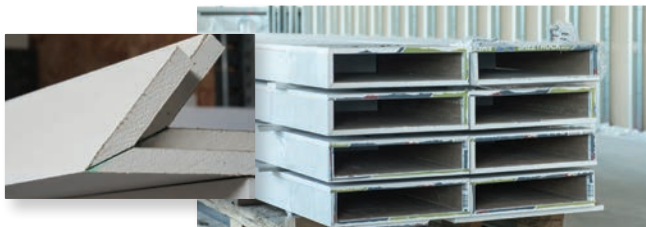
## 90 DEGREE CORNERS



**SAVE UP TO 55 - 70% COMPARED TO TRADITIONAL FINISHING METHODS**

The PanelMax routing table produces clean 90-degree and off-angle corners that require no additional finishing. The PanelMax system also includes metal bead inserts if additional corner strength is needed.

## PREFABRICATED PARTS

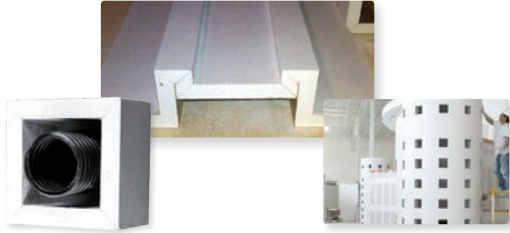


**SAVE PRODUCTION COST BY MASS PRODUCING DUPLICATE PARTS OFF SITE**

Projects that require a lot of manual cutting or that have complex curves have always been cumbersome and time-consuming for builders. With PanelMax complex parts can be easily duplicated and shipped to the construction site as needed. Parts can be shipped assembled or shipped flat and assembled on site.

# PREFABRICATED DRYWALL ASSEMBLIES READY TO INSTALL

## REDUCED FINISHING COSTS



### SAVE PRODUCTION COST BY MASS PRODUCING DUPLICATE PARTS OFF SITE

Decorative details that used to require a lot of finishing time and materials can now be created with PanelMax requiring considerably less material and time. Details that were previously too costly to consider are now possible.

## PRECISION ASSEMBLIES



### PRECISION ASSEMBLIES

With PanelMax precision assemblies can be custom built and shipped to your job site when needed. Assemblies can be shipped pre-assembled or shipped flat and assembled on the job site.

## REDUCE INSTALLATION TIME



### REDUCE INSTALLATION TIME

Install 10-ft. sections of complex drywall detail in minutes with very little finishing.

## CREATE PERFECT CORNERS



### CREATE PERFECT CORNERS

With PanelMax you can create perfect corners every time that require considerably less finishing time and materials.

Create perfect corners every time, no bead, no finishing, no hassles.

# PANELMAX REVOLUTIONIZES THE WAY DRYWALL CAN BE USED

PanelMax revolutionizes the way drywall can be used — PanelMax machines a perfect corner, through gypsum, wood, plastic or even cement board. The precision-engineered groove allows you to fabricate the material into an assembly that will be rigid and precisely aligned. PanelMax milled corners, especially drywall, are clean and precise, minimizing the need for additional edge finishing, saving time, labor and material costs. PanelMax is the perfect tool for architecturally demanding projects, or for large endeavors that require multiple, complex installations. This new advanced panel fabrication solution makes designs and innovations possible using drywall that you may never have considered before.

PanelMax advanced technology increases efficiency and production speed.

## TRADITIONAL METHOD

- Hang board & trim edges
- Install and square bead alignment  
Tape-On bead will need to dry 1-2 days
- Apply first coat of joint compound  
Let dry 1-2 days
- Apply second coat of joint compound  
Let dry 1-2 days
- Sand
- Touch Up

## PANELMAX METHOD

- Make corners in bulk production
  - Hand finished corners with perfect edge
  - Cover screw heads with joint compound
- \* Saves up to 65% in material costs and up to 87% in time

## QUICK CHANGE FLEXIBILITY



PanelMax quick-change router and saw heads make set-up and change out easy. Simply unlock the router, slide it out and replace it with another router with a different bit.

- Quick change attachment
- Laser guide

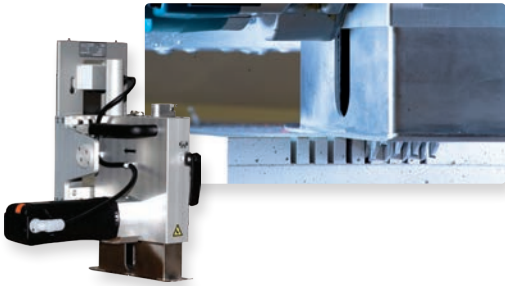
## MOBILITY



PanelMax FT30 can be set up and operational in minutes. It's unique folding design allows PanelMax to be folded and transported from one floor to the next using standard construction elevators. FT30 also has casters on the center legs so it can be easily moved to its next job location.

- Unfolds and sets up ready to work in minutes
- Easy to transport around the job site
- Requires minimal storage space

## MASS PRODUCTION



The PanelMax saw unit is capable of performing lamellar cuts 2.44-in deep. The saw unit can also easily be repositioned to perform horizontal or longitudinal and angle cuts. A multi-blade attachment allows the saw unit to precision kerf cut drywall for columns, arches and other radius applications.

- Patented saw module
- 2.44-in cutting depth
- Unique swivel feature for X- and Y- axis adjustment
- Convenient laser guide
- Cuts on angle

## DUPLICATION



With its duplication arm PanelMax can precisely match complex and repetitive shapes. Shapes like castle cuts that traditionally require quite a bit of labor can now be duplicated exactly with relatively little effort.

- Patented saw module
- 2.44-in cutting depth
- Unique swivel feature for X- and Y-axis adjustment
- Convenient laser guide
- Cuts on angle

## DESIGN FLEXIBILITY



Complicated drywall assemblies and details that were previously too costly to consider are now possible with PanelMax. In fact, PanelMax technology is a paradigm shift in the way drywall is used.



# PREFABRICATED DRYWALL ASSEMBLIES READY TO INSTALL

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Prefabricated drywall assemblies ready to install — You don't have to own a machine to take advantage of the PanelMax technology. Now you can order pre-made and custom parts from approved PanelMax parts fabricators.

- Save time, install one piece one time
- Reduce costly trim and finishing
- Improve quality, perfect corners inside and out
- Perfect columns without the hassle and lead time



**MILL**



**PRIME**



**GLUE**

# TABLES

## FT30 PANEL FABRICATION TABLE



PanelMax FT30 is a full-size portable machine that can be set up and operational in minutes. It's unique folding design allows it to be transported and moved around the job site or shop; designed to fit into standard construction elevators. The unique design comes standard with casters on the center legs so it can be easily moved to its next location.

FT30 includes a standard 4 x 8-ft capacity folding table and traveler.

Table item number: 860010003001

Traveler item number: 860040021002

**ADVANTAGES:**

- Unfolds and sets up ready to work in minutes.
- Easy to transport around the job site.
- Requires minimal storage space.
- Fits easily into an elevator or panel truck.
- 4 x 12-ft capacity with optional table extension.
- Full panel fabrication capable
- Dust-free operation.
- 1 year or 1,000 hour limited warranty.

**SPECIFICATIONS:**

- Cutting length: up to 98.43-in
- Cutting width: up to 59.05-in
- Cutting depth: up to 2.44-in
- Milling depth: up to 2-in
- Board thickness: up to 3-in
- Total weight: appr. 330-lbs
- Power requirements: 110V & dedicated 20A circuit
- Power consumption: 2.5 kW max.

**FOLDED TABLE DIMENSIONS:**

- Width: 25.59-in
- Depth: 76.77-in
- Height: 76-in

**UNFOLDED TABLE DIMENSIONS:**

- Length: 118.11-in
- Width: 76.77-in

ITEM NO.	DESCRIPTION
FT30	PANELMAX FT30 PORTABLE PANEL FABRICATION MACHINE

## PANELMAX ST48 PANEL FABRICATION TABLE



PanelMax ST48 is designed to handle material up to 54-in x 12-ft with PanelMax ST48 is the industry leading shop fabrication machine capable of handling material up to 54-in x 12-ft with its table extension up to 16-ft. Tables can be connected together to process even longer material.

ST48 includes a standard 4 x 12-ft capacity table and traveler.

Table item number: 860010003004

Traveler item number: 860040021002

**ADVANTAGES:**

- Standard table handles material up to 54-in x 12-ft.
- Handles up to 16-ft material with optional 55-in table extension.
- ST48 tables can be linked together for longer material.
- Full panel fabrication capable
- Dust-free operation.
- 1 year or 1,000 hour limited warranty

**SPECIFICATIONS:**

- Cutting length: up to 162.50-in
- Cutting width: 56-in
- Cutting depth: up to 2.44-in
- Milling depth: up to 2-in
- Board thickness: up to 3-in
- Total weight: appr. 400-lbs
- Power requirements: 110V & dedicated 20A circuit
- Power consumption: 2.5 kW max.

**TABLE DIMENSIONS:**

- Length: 169.50-in
- Width: 76-in
- Height: 31.50-in

ITEM NO.	DESCRIPTION
ST48	PANELMAX ST48 PANEL FABRICATION TABLE



# PORTABLE UNITS

## PANELMAX CM10P PORTABLE PANEL FABRICATION UNIT

ITEM NO.	WEIGHT	DESCRIPTION
CM10P	100 lbs.	PANELMAX CM10P PORTABLE SELF-DRIVING PANEL FABRICATION MACHINE



PanelMax CM10P was designed specifically for on-site convenience, this compact and portable machine brings PanelMax precision to any job site. CM10P includes a standard 10-ft capacity track, control unit and 1,000 watt milling unit.

**ADVANTAGES:**

- Standard 10-ft capacity
- Fast and easy set-up
- Portable-Case w/wheels standard
- Double laser alignment
- Milling & Sawing capability
- Dust-free operation.
- 1,000 watt milling unit comes standard with a 90 degree bit
- 1 year or 1,000 hr limited warranty

**SPECIFICATIONS:**

- Cutting length: up to 10.8-ft with an extension rail
- Cutting width: up to 10.8-ft
- Feed: max. 26.3-ft/min, (that can be controlled)
- Cutting depth (saw): up to 1.3-in (optional)
- Equipment options: Saw unit, track extensions
- Power requirements: 120V, 50 Hz
- Power consumption: max. 1.3 kW max.
- Weight: 100 Lbs.

# CM10P MILLING AND SAWING UNITS

## PANELMAX CM10P MILLING UNIT

ITEM NO.	DESCRIPTION
860420012001	VARIABLE SPEED 1.0 kW MILLING UNIT FOR PANELMAX CM10P



**ADVANTAGES:**

- Variable speed control
- Mills up to 90 degree grooves
- Two-stage locking collet assembly
- Laser alignment module included
- 90 degree bit include (8mm collet only)

**SPECIFICATIONS:**

- Motor: 1.0kW
- Power: 1,050W
- Voltage: 110V
- Current: 10A

The PanelMax CM10P variable speed milling unit is the workhorse of the system allowing the operator to mill up to 90° grooves quickly and easily in many materials including MDF, wood and gypsum. Precise laser alignment, state-of-the-art base design and exceptional dust collection make for efficient and accurate production.

**FOR USE WITH PANELMAX CM10P ONLY. FOR USE WITH BITS UP TO 90° ONLY**

## PANELMAX CM10P SAW UNIT



The PanelMax CM10P saw unit makes quick work of ripping or cross cutting many different materials. Laser alignment a carbide-tipped blade and exceptional dust collection make for clean, efficient, and accurate production.

**FOR USE WITH PANELMAX CM10P ONLY**

### ADVANTAGES:

- Variable speed control
- 180mm diameter
- 24-tooth carbide blade included
- Laser alignment module
- Aluminum and stainless steel construction Light-weight and durable

### SPECIFICATIONS:

- Motor: 1.5kW
- Power: 1,530W
- Voltage: 120V
- Current: 12A

### ITEM NO.

860420042002

### DESCRIPTION

VARIABLE SPEED SINGLE BLADE SAW UNIT FOR PANELMAX CM10P

# MILLING AND SAWING TABLE UNITS

## PANELMAX SAW UNIT



Use one saw unit for all your panel dimensioning. Switching between the X-and Y-axis is as simple as the flip of a lever. The PanelMax saw unit is variable speed, so speed can be adjusted for the work material. Precise laser alignment, state-of-the-art base design and exceptional dust collection make for clean, efficient, and accurate production.

### ADVANTAGES:

- Variable speed control
- Cuts on both the X-and Y-axis
- Laser alignment module
- 24 tooth 165mm carbide-tipped blade
- Micro-adjust depth control

### SPECIFICATIONS:

- Motor: 1.5kW
- Power: 1,530W
- Voltage: 120V
- Current: 12A

### ITEM NO.

860070011004

### DESCRIPTION

PANELMAX TRANSVERSE/LONGITUDINAL VARIABLE SPEED SAW UNIT

## 1.0 kW PANELMAX MILLING UNIT



The PanelMax 1.0 kW variable speed milling unit is the workhorse of the system allowing the operator to mill up to 90° grooves quickly and easily in many materials including MDF, wood and gypsum. Precise laser alignment, state-of-the-art base design and exceptional dust collection make for clean, efficient, and accurate production.

**FOR USE WITH BITS UP TO 90° ONLY FOR USE WITH 8 MM COLLETS ONLY**

### ADVANTAGES:

- Variable speed control
- Laser alignment module
- Mills up to 90° grooves
- Two-stage locking collet
- Dust collection plate
- Includes 8mm collet

### SPECIFICATIONS:

- Motor: 1.0kW
- Power: 1,050W
- Voltage: 110V

### ITEM NO.

860070011001

### DESCRIPTION

VARIABLE SPEED 1.0 kW MILLING UNIT FOR PANELMAX ST48 AND FT30



## 1.8 kW PANELMAX MILLING UNIT



The PanelMax 1.8 kW milling unit is designed for the heavy production environment where larger diameter bits are used and continuous milling is required. The 1.8 kW variable speed milling unit includes a two-stage locking collet and dust collection plate, ideal for milling OSB, drywall and other materials. A built in laser makes for quick, accurate alignment and precise milling.

### ADVANTAGES:

- Variable speed control
- Laser alignment module
- Micro-adjust depth adjustment (allows for exceptional accuracy and control)
- Two-stage locking collet
- Dust collection plate
- Includes 8mm and 12mm collets

### SPECIFICATIONS:

- Motor: 1.8kW
- Power: 1,800W
- Voltage: 120V
- Current: 15A

### ITEM NO.

860070011003

### DESCRIPTION

VARIABLE SPEED 1.8 kW MILLING UNIT FOR PANELMAX ST48 AND FT30

## TRANSVERSE RADIUS SAW UNIT



The PanelMax 4-blade saw unit pivots on X- and Y- coordinates and makes short work of creating radius corners with drywall. Make one pass for a tight radius and multiple cuts for larger radius corners. Create radius corners, columns or serpentine assemblies.

**FOR USE WITH PANELMAX ST48 AND FT30 ONLY**

### ADVANTAGES:

- Variable speed control
- Micro adjustment
- 125mm 24 tooth blades
- Carbide-tipped
- Laser guide

### SPECIFICATIONS:

- Motor: 1.5kW
- Power: 1,530W
- Voltage: 120V
- Current: 12A

### ITEM NO.

860070011005

### DESCRIPTION

TRANSVERSE RADIUS 4 BLADE SAW UNIT

# SAW BLADES

## 24-TOOTH CARBIDE SAW BLADE



Use 160mm 24-tooth carbide saw blade to dimension drywall and other materials. Fits both standard and 4-blade saw units.

**PANELMAX FT30 OR ST48 ONLY**

### SPECIFICATIONS:

- 160mm diameter blade
- 24-tooth
- Carbide-tipped
- 20mm arbor
- For use with drywall, plywood, MDF, OSB

### ITEM NO.

WSSB00240165

### DESCRIPTION

160MM (6-1/4-IN) 24 TOOTH CARBIDE TIPPED SAW BLADE





## 8-TOOTH DIAMOND BLADE



Use 160mm segmented diamond wheel to mill cement board.

**PANELMAX FT30 OR ST48 ONLY**

**SPECIFICATIONS:**

- 160mm diameter blade
- 8-segments
- Diamond infused
- 20mm arbor
- For use with cement board

ITEM NO.	DESCRIPTION
WSS800080160	160MM (6-1/4-IN) 8 TOOTH SEGMENTED DIAMOND WHEEL

# RADIUS MILLING SYSTEM

## CIRCLE CUTTING GUIDE



Use the PanelMax circle cutting guide to easily mill circles from 200mm up to 1200mm in diameter.

ITEM NO.	DESCRIPTION
860050000024	CIRCLE MILLING GUIDE FOR ST48 , FT30 FOR USE WITH STANDARD 1000-WATT MILLING UNIT ONLY

## RADIUS REINFORCING PAPER



Use PanelMax high-strength reinforcing paper to back radius assemblies. Activate adhesive with water, no additional adhesive required.

**SPECIFICATIONS:**

- 150-ft roll
- 39-in wide
- Water-activated adhesive

ITEM NO.	DESCRIPTION
04917001	HIGH-STRENGTH WATER ACTIVATED ADHESIVE BACKED FABRIC REINFORCING PAPER FOR PANELMAX RADIUS-ASSEMBLIES

# METAL CORNER SYSTEM

## 90° HIGH-PERFORMANCE SPLINE MILLING BIT



Use the 90° high-performance milling bit to fabricate 90° corners that will accept the PanelMax galvanized corner reinforcing spline. For use in drywall up to 5/8-in. reinforced corners in up to 5/8-in drywall.

**SPECIFICATIONS:**

- 8mm shank
- 90° high-performance flat tip carbide milling bit
- For use with 5/8-in drywall

**ITEM NO.**

PMSPLINE90BIT

**DESCRIPTION**

FLAT-TIPPED 90° HIGH-PERFORMANCE CARBIDE BIT FOR MILLING REINFORCED CORNERS IN UP TO 5/8-IN DRYWALL

## GALVANIZED STEEL CORNER SPLINE



Use PanelMax galvanized steel splines to reinforce impact vulnerable corners. Use the PanelMax spline bit, item PMSPLINE90BIT, to mill corners that will accept the reinforcing spline.

**ADVANTAGES:**

- Galvanized steel corner reinforcing spline
- Creates impact-resistant corners

**SPECIFICATIONS:**

- Width: 1/2-in (12.7-mm)
- Thickness: 1/16-in (1.5-mm)
- Length: 10-ft
- Coating: Galvanized

**ITEM NO.**

PMSPLINE1210G

**DESCRIPTION**

1/2-IN X 1/16-IN (12.7-MM X 1.5-MM) GALVANIZED STEEL CORNER SPLINE FOR DRYWALL CORNER REINFORCEMENT

# VACUUMS

## HIGH-OUTPUT SELF-CLEANING HEPA DRUM VACUUM ASSEMBLY



The 5540, 176CFM DrumVac provides power and outstanding collection capacity with its ability to attach to a 40 or 55 gallon collection drum. The HEPA filtration system filters out nearly 100% of the dust produced when milling drywall keeping the work area dust-free. Like all PanelMax vacuums the 5540 DrumVac uses patented technology to clean the filter while you work so you never have to stop work to unclog a filter.

FOR USE WITH PANELMAX ST48 AND FT30 - COLLECTION

**ADVANTAGES:**

- Automatic pulse-clean technology
- Cyclonic debris management
- Non-marking 5-caster dolly
- 3 x 5 point HEPA filters - individually tested
- Designed & built in the USA
- HEPA filtration
- \*available on 2018 models only

**SPECIFICATIONS:**

- Airflow: 176 CFM
- Filtration: HEPA 99.97% @ .3 microns
- Inlet & Hose: 2-in locking, 25-ft crush proof hose
- Collection: 20-gal canister or 55-gal drum
- Voltage: 110V
- Current: 12.5A
- Weight: 30-lbs (Head only)

**ITEM NO.**

**DESCRIPTION**

PM1050	20 GALLON HIGH OUTPUT SELF-CLEANING CANISTER VACUUM UNIT. INCLUDES AUTO ON/OFF FEATURE, 16 GALLON CANISTER, 25-FT HOSE AND CASTERS
PM5540	40-55 GALLON HIGH OUTPUT SELF-CLEANING DRUM VACUUM ASSEMBLY. INCLUDES AUTO ON/OFF FEATURE, 25-FT HOSE

## HIGH-OUTPUT SELF-CLEANING HEPA DRUM VACUUM ASSEMBLY



The 225CFM DrumVac provides power and outstanding collection capacity with its ability to attach to a 40 or 55 gallon collection drum. The HEPA filtration system filters out nearly 100% of the dust produced when milling drywall keeping the work area dust-free. Like all PanelMax vacuums the 103225D DrumVac uses patented technology to clean the filter while you work so you never have to stop work to unclog a filter.

FOR USE WITH PANELMAX ST48 AND FT30 - COLLECTION

**ADVANTAGES:**

- Automatic pulse-clean technology
- Cyclonic debris management
- Non-marking 5-caster dolly
- 3 x 5 point HEPA filters - individually tested
- Designed & built in the USA
- HEPA filtration \*available on 2018 models only

**SPECIFICATIONS:**

- Airflow: 225 CFM
- Filtration: HEPA 99.97% @ .3 microns
- Inlet & Hose: 2-in locking, 25-ft crush proof hose
- Collection: 55 gallon drum
- Voltage: 110V
- Current: 12.5A
- Weight: 30-lbs (Head only)

**ITEM NO.**

**DESCRIPTION**

103225D	PRO-225 55 GALLON HIGH OUTPUT SELF-CLEANING DRUM VACUUM ASSEMBLY. INCLUDES AUTO ON/OFF FEATURE, 25-FT HOSE
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## SELF-CLEANING HEPA CANISTER VACUUM



500 Series offers great performance and compact portability. The HEPA filtration system filters out nearly 100% of the dust produced when milling drywall keeping the work area dust-free. Like all PanelMax vacuums the 550HA uses patented technology to clean the filter while you work so you never have to stop work to unclog a filter.

FOR USE WITH PANELMAX CM10

### ADVANTAGES:

- Automatic pulse-clean technology
- Auto-tool start
- 2 x 5 point HEPA filters - individually tested
- Designed & built in the USA

### SPECIFICATIONS:

- Airflow: 150 CFM
- Filtration: HEPA 99.97% @ .3 microns
- Inlet & Hose: 1.5-in locking, 15-ft crush proof hose
- Collection: 8-gal. steel tank
- Voltage: 110V
- Current: 12.5 A
- Weight: 30-lbs

### ITEM NO.

103550HA

### DESCRIPTION

8-GALLON SELF-CLEANING CANISTER VACUUM UNIT INCLUDES AUTO ON/OFF FEATURE, 8-GALLON CANISTER, 15-FT HOSE AND CASTER

## GLUE SYSTEM & ACCESSORIES

### REPLACEMENT FILTER SET



HEPA replacement filters for use with the PM1050, PM5540 and 103225D canister vacuum units for PanelMax ST48 and FT30.

FOR USE WITH THE 1050 AND 5540 PULSE-BAC VACUUMS ONLY

### ADVANTAGES:

- HEPA filters
- Keep a safe dust-free work environment

### ITEM NO.

103621

### DESCRIPTION

REPLACEMENT FILTER SET OF 3 HEPA FILTERS FOR USE WITH THE PM1050 AND PM5540 PULSE-BAC VACUUMS

### REPLACEMENT FILTER SET



HEPA replacement filters for use with the 103550HA canister vacuum unit for the PanelMax CM10P system.

FOR USE WITH THE 550HA PULSE-BAC VACUUM ONLY

### ADVANTAGES:

- HEPA filters
- Keep a safe dust-free work environment

### ITEM NO.

103625

### DESCRIPTION

REPLACEMENT FILTER SET OF 2 HEPA FILTERS FOR USE WITH THE 550HA PULSE-BAC VACUUM UNIT.



## FIBA-FUSE FIBERGLASS TAPE



Use Fiba-Fuse fiberglass tape butt-joints. Fiba-Fuse tape provides a 40% stronger joint than paper tape.

### ADVANTAGES:

- Creates a stronger butt joint
- Use in place of standard joint tape

### SPECIFICATIONS:

- 2-1/16-in wide
- 250-ft roll

### ITEM NO.

FDW9101U

### DESCRIPTION

FIBA-FUSE FIBERGLASS TAPE FOR BUTT-JOINTS, 250 FT. P/R. 40% STRONGER THAN PAPER TAPE

## PRIMERLESS FABRICATION GLUE



Now you can assemble your prefabricated panels in one step with an easy-to-use glue bottle and applicator tip. PanelMax primer-less fabrication glue is a proprietary formula specifically designed to bond with exposed gypsum without the need for primer and at the same time significantly increasing joint strength.

Save time and money by eliminating expensive primer and waiting for it to dry before completing the assembly. PanelMax primer-less fabrication glue provides the strength you need when you need it.

### ADVANTAGES:

- No primer needed
- Fast curing time - 80% dry in 10-15 minutes at 68°F (20 °C) (actual drying time depends on temperature and humidity)
- 3-5 times stronger than hot glue alone
- Specially formulated for gypsum fabrication
- One Bottle finishes 300 linear feet
- Can be used in combination with PanelMax hot glue
- Specially formulated for gypsum fabrication

### SPECIFICATIONS:

- Finishes approx. 300 linear feet
- 17-oz bottle

### ITEM NO.

WESK0000007

### DESCRIPTION

17-OZ PANELMAX PRIMERLESS FABRICATION GLUE. COVERS 300 LINEAR FEET

## DRYWALL CORNER PRIMER



PanelMax primer is an essential component in fabricating a strong and durable corner. PanelMax primer penetrates into the gypsum creating a strong dust-free bonding surface for hot melt adhesive.

PanelMax primer is VOC free and easily clean up using tap water.

### ADVANTAGES:

- Penetrates and conditions exposed gypsum edges in preparation for adhesive.
- Special formula designed specifically for use in PanelMax fabrication
- Dries clear
- Low odor acrylic latex
- VOC free
- Included in PanelMax submittal documentation
- Cleans up with tap water

### SPECIFICATIONS:

- 2.6-gal (9,46 L)
- Covers approx 3,000 linear feet (\$0.04 per linear ft. coverage)

### ITEM NO.

PMECOPRIMER26

### DESCRIPTION

PANELMAX LOW VOC PRIMER





## WEATHERMASTER ADHESIVE



Use Weathermaster adhesive to bond drywall corners and seal joints. Use PanelMax primer to seal the gypsum prior to using the adhesive. Weathermaster comes in cases of 12 tubes.

**ADVANTAGES:**

- Professional-grade drywall adhesive
- Super strong
- Remains flexible after set-up allowing for easier assembly installation

**SPECIFICATIONS:**

- 10-oz tubes
- 12 to a case

**ITEM NO.**

F61001

**DESCRIPTION**

10-OZ WEATHERMASTER DRYWALL CORNER ADHESIVE

## HOT MELT ADHESIVE STICKS



Use PanelMax premium hot melt to bond drywall corners. Use with PanelMax 600 watt hot melt glue gun.

Prepare gluing surface with PanelMax primer prior to applying adhesive.

**ADVANTAGES:**

- Premium adhesive
- 25-lb box covers 3,500 linear feet

**SPECIFICATIONS:**

- 25-lb box
- 15-in glue sticks

**ITEM NO.**

PMSG2515

**DESCRIPTION**

15-IN HOT MELT ADHESIVE STICKS FOR USE WITH PANELMAX CM10 1000-WATT HOT MELT GLUE GUN

## 1000W HOT MELT GLUE GUN



The MGG1000 is the latest hot-melt delivery system available for on-site or shop use that only requires electric, no compressor required.

**ADVANTAGES:**

- 1000 melt capability
- Stick style glue designed to bond gypsum
- No compressor required

**ITEM NO.**

MGG1000

**DESCRIPTION**

1000W STICK STYLE HOT MELT GLUE GUN



# ACCESSORIES

## DUPLICATING GUIDE ARM



Use the duplicating guide arm to trace the outside edge of a template to duplicate a shape and size. The guide arm stylus slides along the template duplicating its shape as the milling bit removes material.

Template material must be at least 1/4-in thick.

**PANELMAX 1.0 KW MILLING UNIT ONLY**

ITEM NO.	DESCRIPTION
860070001034	PANELMAX DUPLICATING GUIDE ARM FOR 1.0 KW MILLING UNIT

## DIAGONAL CUTTING GUIDE



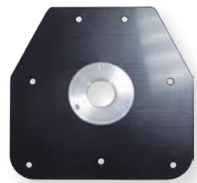
The diagonal cutting guide installs along the straight edge of the material being cut. The saw unit slides along the guide creating a perfect diagonal cut.

**PANELMAX FT30 OR ST48 ONLY**

- SPECIFICATIONS:**
- 5-15/16-in (150mm) diagonal cutting guide
  - For use with PanelMax saw unit

ITEM NO.	DESCRIPTION
860050050001	PANELMAX DIAGONAL CUTTING GUIDE

## COPYING PLATE



The copying plate acts as a template guide when milling castle-cuts and special assemblies, the guide rides along any 1/4-in thick template making quick work of those odd shapes that can slow any job down.

**PANELMAX FT30 OR ST48 ONLY**

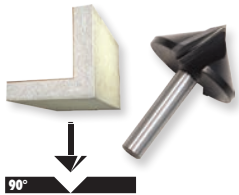
- SPECIFICATIONS:**
- Copying plate
  - 1/4-in diameter opening
  - For use with copier bit

ITEM NO.	DESCRIPTION
860070001149	PANELMAX COPYING PLATE ASSEMBLY FOR 1.0 KW MILLING UNIT



# V-GROOVE BITS

## 90° HIGH-PERFORMANCE MILLING BIT



Use the 90° high-performance milling bit to fabricate 90° profiles. For use in drywall up to 5/8-in.

**SPECIFICATIONS:**

- 8mm shank
- 90.2° high-performance carbide milling bit
- For use with 5/8-in drywall

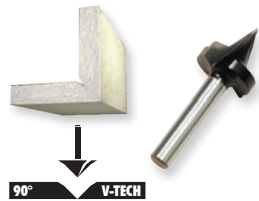
**ITEM NO.**

WSVG00000009

**DESCRIPTION**

V-GROOVE 90°, HIGH-PERFORMANCE CARBIDE BIT FOR USE WITH UP TO 5/8-IN DRYWALL

## 90° V-TECH MILLING BIT



Use the 90° V-TECH winged milling bit to fabricate 90° profiles. Creates an extra channel for glue for stronger joint. For use in drywall up to 5/8-in.

**SPECIFICATIONS:**

- 8mm shank
- 90° carbide milling bit
- 115° angle wings
- For use with 5/8-in drywall

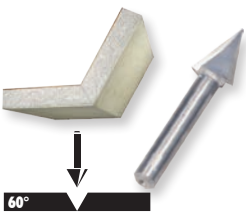
**ITEM NO.**

WPWE00000023

**DESCRIPTION**

V-TECH V-GROOVE 90°, 15MM 115° WINGED BIT FOR USE WITH UP TO 5/8-IN DRYWALL

## 60° V-TECH MILLING BIT



Use the 60° milling bit to fabricate 60° profiles. For use in drywall up to 5/8-in.

**SPECIFICATIONS:**

- 8mm shank
- 60° carbide milling bit
- 15mm full width
- For use with 5/8-in drywall

**ITEM NO.**

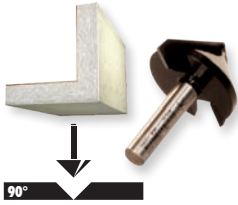
WSVG00000003

**DESCRIPTION**

V-GROOVE 60°, 15MM (19/32-IN) BIT FOR USE WITH UP TO 5/8-IN DRYWALL



## 90° MILLING BIT



**SPECIFICATIONS:**

- 8mm shank
- 90.2° carbide milling bit
- 25mm full width
- For use with 1-in drywall

**ITEM NO.**

WSVG00000004

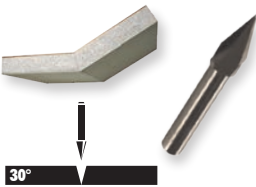
**DESCRIPTION**

V-GROOVE 90°, 25MM BIT FOR USE WITH UP TO 1-IN MATERIAL

Use the 90° milling bit to fabricate 90° profiles. For use in material up to 1-in.

**SPECIAL ORDER ITEM**

## 30° MILLING BIT



**SPECIFICATIONS:**

- 8mm shank
- 30° carbide milling bit
- 15mm full width
- For use with 5/8-in drywall

**ITEM NO.**

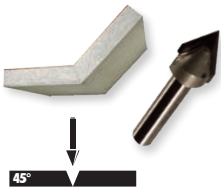
WPWE00000037

**DESCRIPTION**

V-GROOVE 30°, 15MM BIT FOR USE WITH UP TO 5/8-IN DRYWALL

Use the 30° milling bit to fabricate 30° drywall profiles. For use in drywall up to 5/8-in.

## 45° MILLING BIT



**SPECIFICATIONS:**

- 8mm shank
- 45° carbide milling bit
- 15mm full width
- For use with 5/8-in drywall

**ITEM NO.**

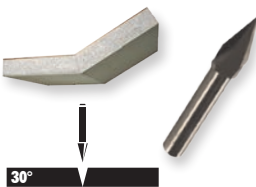
WSVG00000005

**DESCRIPTION**

V-GROOVE 45°, 15MM BIT FOR USE WITH UP TO 5/8-IN DRYWALL

Use the 45° milling bit to fabricate 45° drywall profiles. For use in drywall up to 5/8-in.

## 45° V-TECH MILLING BIT



**SPECIFICATIONS:**

- 8mm shank
- 45° carbide milling bit
- 90° angle wings
- For use with 5/8-in drywall

**ITEM NO.**

WPWE00000021

**DESCRIPTION**

V-TECH V-GROOVE 45°, 15MM 90° WINGED BIT FOR USE WITH UP TO 5/8-IN DRYWALL

Use the 45° V-TECH winged milling bit to fabricate 45° profiles. Creates an extra channel for glue for a stronger joint. For use in drywall up to 5/8-in.



# BITS

## 8MM MILLING CUTTER



**SPECIFICATIONS:**

- 8mm straight shank bit
- Carbide end mill milling cutter
- For wood only
- No countersink

**ITEM NO.**

WPWE0000038

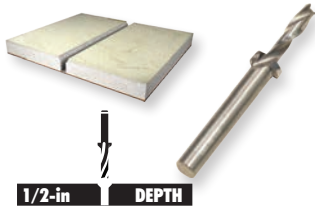
**DESCRIPTION**

8MM STRAIGHT SHANK 4 FLUTES END MILL MILLING CUTTER

Use the 8mm milling cutter bit to cut and recess vertical plane details.

**FOR USE IN WOOD ONLY, NO COUNTERSINK**

## 13MM COPIER BIT



**SPECIFICATIONS:**

- 8mm shank
- 6mm 2 flute carbide copier bit
- 13mm cutting depth
- Countersink shoulder
- For 1/2-in drywall

**ITEM NO.**

WPCM0000004

**DESCRIPTION**

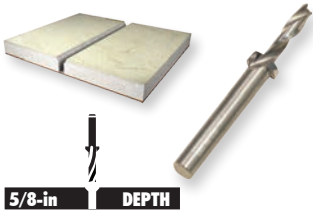
13MM (33/64-IN) MATERIAL DEPTH CAPACITY COUNTERSINK COPIER AND SLITTER CUTTER BIT 6MM 2 FLUTE CARBIDE MILL

Use the copier bit to mill drywall up to 13mm in depth. Creates a sharp beveled edge recess for precise butt joint alignment and finishing. For use with 1/2-in drywall.





## 16MM COPIER BIT



**SPECIFICATIONS:**

- 8mm shank
- 6mm 2 flute carbide copier bit
- 16mm cutting depth
- Countersink shoulder for 5/8-in drywall

**ITEM NO.**

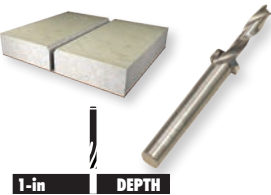
WPCM00000002

**DESCRIPTION**

16MM MATERIAL DEPTH CAPACITY COUNTERSINK COPIER AND SLITTER CUTTER BIT. 6MM 2 FLUTE CARBIDE MILL

Use the copier bit to mill drywall up to 16mm in depth. Creates a sharp beveled edge recess for precise butt joint alignment and finishing.

## 26MM COPIER BIT



**SPECIFICATIONS:**

- 8mm shank
- 6mm 2 flute carbide copier bit
- 26mm cutting depth
- Countersink shoulder

**ITEM NO.**

WPCM00000003

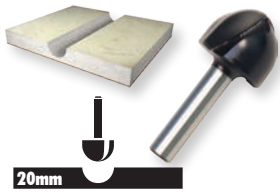
**DESCRIPTION**

26MM MATERIAL DEPTH CAPACITY COUNTERSINK COPIER AND SLITTER CUTTER BIT. 6MM 2 FLUTE CARBIDE MILL

Use the copier bit to mill drywall up to 26mm in depth. Creates a sharp-beveled edge recess for precise butt joint alignment and finishing.



## 20MM FLUTING BIT



Use the 20mm round-nose fluting bit to mill decorative detail into drywall panels.

### SPECIFICATIONS:

- 8mm shank
- 20mm round-nose carbide fluting bit

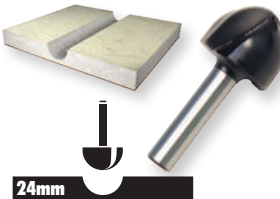
### ITEM NO.

WPWE0000005

### DESCRIPTION

20MM ROUND NOSE COREBOX FLUTING ROUTER BIT

## 24MM FLUTING BIT



Use the 24mm round-nose fluting bit to mill decorative detail into drywall panels.

### SPECIFICATIONS:

- 8mm shank
- 24mm round-nose carbide fluting bit

### ITEM NO.

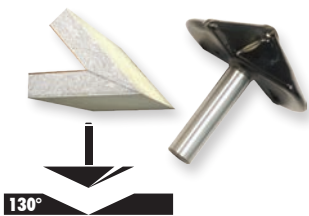
TPEF0000081

### DESCRIPTION

24MM ROUND NOSE COREBOX FLUTING ROUTER BIT

# SPECIALTY BITS

## 135° MILLING BIT



Use the 135° milling bit to fabricate knife edge drywall profiles.

**FOR USE WITH 1,800 WATT MILLING UNIT ONLY, 1/2-IN SHANK**

### SPECIFICATIONS:

- 12.7mm shank
- 135° degree carbide milling bit

### ITEM NO.

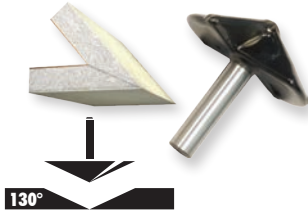
WSVG0000006

### DESCRIPTION

V-GROOVE 135° KNIFE EDGE BIT FOR USE WITH UP TO 5/8-IN DRYWALL



## 120° MILLING BIT



Use the 120° milling bit to fabricate knife edge drywall profiles.

**FOR USE WITH 1,800 WATT MILLING UNIT ONLY, 1/2-IN SHANK**

**SPECIFICATIONS:**

- 12.7mm shank
- 120° degree carbide milling bit

**ITEM NO.**

WSVG00000012

**DESCRIPTION**

V-GROOVE 120° KNIFE EDGE BIT FOR USE WITH 1/2-IN DRYWALL

## TABLE EXTENSION

### TABLE EXTENSION



Add the table extension kit to either the PanelMax ST48 or FT30 to extend the standard table an additional 60-in to 17-ft.

**SPECIFICATIONS:**

- Sturdy steel construction
- 4 support legs
- Locks into ST48 or FT30 frame
- Width: 69-in
- Length: 60-in
- 4-leg construction

**ITEM NO.**

860010003003

**DESCRIPTION**

GEN 3 TABLE EXTENSION KIT FOR PANELMAX ST48 OR FT30 FOLDING MACHINE

# KIT CONFIGURATIONS

## PANELMAX FOLDING ST48 STANDARD CONFIGURATION



- SPECIFICATIONS:**
- PanelMax ST48 table
  - 176 CFM vacuum with pulsabac technology (auto clean)
  - 1000 watt glue gun
  - Two 1,050 watt milling units
  - Universal saw unit for diagonal and longitudinal cuts
  - Optional 60" extension table

ITEM NO.	DESCRIPTION
ST48PROKIT	PROFESSIONAL KIT – PANELMAX ST48 STANDARD CONFIGURATION



## CM10P PORTABLE PANEL FABRICATION KIT



- SPECIFICATIONS:**
- PanelMax CM10P with hard case
  - Self-Cleaning HEPA Canister Vacuum
  - 1000 watt glue gun
  - Three boxes of PMSG2515 hot glue (25-lbs box)
  - Three 17oz bottles of primer-less cold glue
  - 1,000 watt milling unit with 90° bit
  - One container of primer

ITEM NO.	DESCRIPTION
CM10PSTART	STARTER KIT – PANELMAX CM10P STANDARD CONFIGURATION



## PANELMAX FOLDING FT30 STANDARD CONFIGURATION



### SPECIFICATIONS:

- PanelMax FT30 table
- 176 CFM vacuum with pulsabac technology (auto clean)
- 1000 watt glue gun
- One 1800 watt milling unit
- Universal saw unit for diagonal and longitudinal cuts
- Optional 60" extension table

### ITEM NO.

### DESCRIPTION

FT30PROKIT

PROFESSIONAL KIT – PANELMAX FT30 STANDARD CONFIGURATION





# PANELMAX HYBRID

## CNC ENABLED PANEL FABRICATION



The new Hybrid CNC machine's foundation is the job-proven PanelMax ST48. Hybrid's new traveler includes a large touch-panel interface and intuitive software making it easy to create and produce CNC designs for drywall without having to do any CNC programming. No special programming skills are needed to operate PanelMax Hybrid. Hybrid's software includes built-in presets including circles and different standard cut out and work-flow shapes.

An open-source G-code converter converts drawings done in Adobe Illustrator or other illustration programs to machine language giving you ultimate control of your designs using professional illustration programs.

PanelMax Hybrid combines a CNC milling machine and saw into one compact system. Hybrid's 10-in touch panel control screen and software is intuitive and easy to use, similar to a smart phone.

### ADVANTAGES:

- Fully automated milling and sawing
- Automatically converts illustration formats
- Profile drawings can be saved for future use
- Designed for mass-fabrication
- Solid, dependable German engineered design
- Robust gantry CNC system with 2.5 axis, driven by a 2 phase class IP65 stepper motor
- Chain-style power belt on both the X- and Y-axis
- Warp resistant gantry design
- Feed rate: 32 ft per min.
- Full panel fabrication capable
- Dust-free operation.
- 1 year or 1,000 hour limited warranty

### TECHNICAL SPECIFICATIONS:

- Cutting length: up to 144.7-in (12-ft)
- Cutting width: up to 59.05-in
- Cutting depth: up to 2.44-in
- Milling depth: up to 2-in
- Board thickness: up to 3-in
- Total weight: appr. 1,110-lb
- Power requirements: 480V/16A; 3-Phase
- Power consumption: M: 1.8 kW, S: 1.5 kW

### TABLE DIMENSIONS:

- Length: 198-in
- Width: 87.5-in
- Height: 48-in

### ELECTRICAL CABINET DIMENSIONS:

- Length: 39.37-in
- Width: 13.78-in
- Height: 451.18-in

ITEM NO.	DESCRIPTION
860200031001	PANELMAX HYBRID CNC PANEL FABRICATION MACHINE

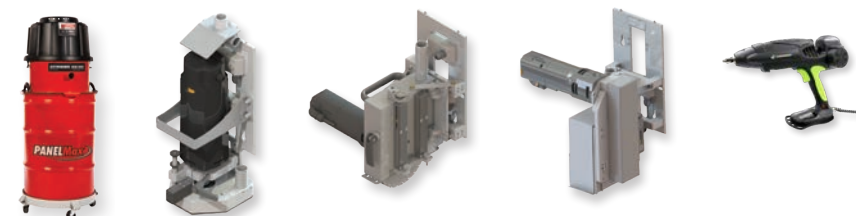
## PANELMAX HYBRID PROFESSIONAL KIT



### SPECIFICATIONS:

- PanelMax Hybrid table
- 225 CFM vacuum with pulsabac technology (auto clean)
- 1000 watt glue gun
- One 1,800 watt milling unit
- Universal saw unit for diagonal and longitudinal cuts
- Universal 7 blade saw unit for curve cuts

ITEM NO.	DESCRIPTION
	PROFESSIONAL KIT — PANELMAX HYBRID STANDARD CONFIGURATION



# HYBRID MILLING AND SAWING TABLE UNITS

## PANELMAX HYBRID X- AND Y-AXIS SAW UNIT



Use one saw unit for all your panel dimensioning. Micro-adjust depth control provides exceptional depth accuracy. The saw makes fast and efficient work dimensioning a sheet of drywall on both the X- and Y-axis.

### ADVANTAGES:

- Variable speed control
- Micro-adjust depth control
- Cuts on both the X- and Y-axis
- Laser alignment module
- 1 - 24 tooth 6-1/2-in (165mm) carbide-tipped blade

### SPECIFICATIONS:

- Motor: 1.5kW
- Power: 1,500W
- Voltage: 120V
- Amps: 12A

### ITEM NO.

860270030002

### DESCRIPTION

PANELMAX SAWING UNIT, FOR X- AND Y-AXIS WITH SAW BLADE

## PANELMAX HYBRID MULTI-BLADE RADIUS SAW UNIT



The seven blade saw makes fast and efficient work of a sheet of drywall allowing the operator to quickly fabricate a radius assembly for columns and curved assemblies. Micro-adjust depth control provides exceptional depth accuracy.

### ADVANTAGES:

- Variable speed control
- Micro-adjust depth control
- Cuts on both the X- and Y-axis
- Laser alignment module
- 7 - 24 tooth 6-1/2-in (165mm) carbide-tipped blades

### SPECIFICATIONS:

- Motor: 1.5kW
- Power: 1,500W
- Voltage: 120V
- Amps: 12A

### ITEM NO.

860270030006

### DESCRIPTION

PANELMAX SAWING UNIT, 7 MULTI BLADE SAW FOR RADIUS CUTS

## 1.8 kW PANELMAX HYBRID MILLING UNIT



When continuous milling is needed and large diameter bits are used the 1.8kW milling unit does the job. Just like the 1000kW unit its variable speed, two stage locking collet and dust collection plate is efficient and safe for any material. The laser light also allows for fast and accurate milling when time is a consideration. Micro-adjust depth control provides exceptional depth accuracy.

### ADVANTAGES:

- Variable speed control
- Mills up to 90 degree grooves
- Two-stage locking collect assembly
- Laser alignment module included
- Micro-adjust depth control
- 90 degree bit included (8mm & 12mm collets)

### SPECIFICATIONS:

- Motor: 1.8kW
- Power: 1,800W
- Voltage: 120V
- Amps: 12A

### ITEM NO.

860270030001

### DESCRIPTION

VARIABLE SPEED 1.8 kW MILLING UNIT FOR PANELMAX HYBRID



# GRABBER BRANCH LOCATIONS



## WEST REGION

**Grabber San Diego**  
858.292.6022  
9466 Chesapeake Drive  
San Diego CA 92123-1353

**Grabber Salt Lake**  
801.266.4151  
4273 South 590 West  
Murray UT 84123-3615

**Grabber Portland**  
503.467.5001  
15031 NE Airport Way Ste 300  
Portland OR 97230-8333

**Grabber L.A.**  
562.696.5122  
8319 Allport Ave  
Santa Fe Springs CA 90670-2107

**Grabber NorCal**  
925.687.6606  
2241 Carion Court  
Pittsburg CA 94565-4029

## SOUTH REGION

**Grabber Memphis**  
662.895.9300  
6045 E Shelby Drive Ste 1  
Memphis TN 38141-7601

**Grabber Dallas**  
972.470.9044  
10990 Petal Street Ste 400  
Dallas TX 75238-2487

**Grabber Houston**  
713.545.6424  
2121 Britmoore Road Ste 1600  
Houston TX 77043-2230

## MIDWEST REGION

**Grabber Cincinnati**  
513.874.9027  
4325 Mulhauser Road Ste 8  
Fairfield OH 45014-2266

**Grabber Maumee**  
419.794.8212  
370 W Dussel Drive Ste 5  
Maumee OH 43537-1604

**Grabber Kansas City**  
816.931.8816  
805 Liberty Street  
Kansas City MO 64102-1009

## NORTHEAST REGION

**Grabber DC**  
301.808.5100  
850 B Hampton Park Blvd  
Capitol Heights MD 20743-4917

**Grabber New England**  
860.623.3600  
120 Newberry Road  
East Windsor CT 06088-9544

**Grabber Jersey**  
856.662.2525  
1125 Thomas Busch Memorial Hwy  
Pennsauken NJ 08110-2310

**Grabber Virginia**  
703.631.8770  
14801 Willard Road Ste 700  
Chantilly VA 20151-3719

## SOUTHEAST REGION

**Grabber Conover**  
828.267.6245  
1136 Industrial Dr SW  
Conover NC 28613-2753

**Grabber Ft. Myers**  
239.278.1888  
12570 Metro Pkwy  
Fort Myers FL 33966-8356

**Grabber Tampa**  
813.249.2281  
5835 Barry Road  
Tampa FL 33634-3020

**Grabber Pompano**  
954.971.4730  
1857 SW 3rd Street  
Pompano FL 33069-3105

**Grabber Orlando**  
407.297.7278  
3714 Silver Star Road  
Orlando FL 32808-6605

**Grabber Jacksonville**  
904.739.2760  
5913 Saint Augustine Rd Ste 7  
Jacksonville FL 32207-8000

**Grabber Atlanta**  
770.813.1332  
2605 N Berkeley Lake Rd NW  
Ste 500  
Duluth GA 30096-3099



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