

# PROTO MAX

BUILT BY OMAX



## MACHINE DIMENSIONS

|  |  |
|--|--|
| Footprint                                | 41.5" x 39.5"<br>(1,054 mm x 1,004 mm) |
| Weight (tank empty)                      | 550 lb (250 kg)                        |
| Height (Lid Closed)                      | 56.5" (1,435 mm)                       |
| Height (Lid Open)                        | 73.0" (1,854 mm)                       |
| Operating Weight<br>(with water in tank) | 750 lb (340 kg)                        |

## WORK ENVELOPE

|                                 |                                     |
|---------------------------------|-------------------------------------|
| X-Y Cutting Travel <sup>1</sup> | 12.0" x 12.0"<br>(304 mm x 304 mm)  |
| Z-Axis Travel <sup>1</sup>      | 1.0" (25 mm)                        |
| Table Size                      | 14.5" x 15.25"<br>(368 mm x 393 mm) |

## STANDARD MODEL SPECIFICATIONS

|                                    |   |
|------------------------------------|---|
| Maximum Supported<br>Material Load | 50 lbs/sq ft<br>(244 kg/sq m)               |
| Electrical Requirements            | 230-240 VAC, single phase,<br>30A, 50/60 Hz |
| Speed                              | 100 in/min (2,540 mm/min)                   |
| Linear Positional Accuracy         | ±0.005" (±0.127 mm)                         |
| Repeatability                      | ±0.003" (±0.076 mm)                         |

## PUMP DESCRIPTION

|                                    |  |
|------------------------------------|--|
| Pump Horsepower                    | 5 HP (3.7 kW)                            |
| Output Pressure                    | 30,000 psi (2,068 bar)                   |
| Orifice and Flow Rate <sup>2</sup> | 0.008" / 0.25 gpm<br>(0.2 mm / 0.95 lpm) |

## ABOUT OMAX

OMAX is the global total solutions provider in advanced abrasive waterjet systems. Our intuitive Intelli-MAX Software Suite simplifies programming and reduces setup times, increasing your productivity. OMAX engineers continue to innovate technology for abrasive waterjet machining, from proven 4th generation pump designs to cutting edge drive systems with micron-level accuracy. With the largest abrasive waterjet support network in the world, OMAX continues to shape the future of waterjets.

To see how ProtoMAX can work in your existing shop or school, call or visit our website today.



## PROTOMAX PRICING OPTIONS

Please use the included pricing as a quote or for budgeting purposes.<sup>5</sup>



### GET STARTED: STANDARD SYSTEM

The **STANDARD SYSTEM** includes the ProtoMAX abrasive waterjet system, complete with the table, pump, laptop with pre-installed software, and everything needed to start abrasive waterjet cutting after initial installation.

| DESCRIPTION   | QUANTITY                 | PRICE                       |
|---|--------------------------|-----------------------------|
| ProtoMAX Abrasive Waterjet Cutting Table  | 1                        | Included                    |
| ProtoMAX 30,000 psi 5 HP Direct Drive Pump  | 1                        | Included                    |
| Nozzle Assembly (nozzle body, mixing tube, last-chance filter, and jewel orifice) | 1                        | Included                    |
| Laptop with Intelli-MAX Proto Software Pre-Installed                              | 1                        | Included                    |
| Unlimited Seats of Software   | 1                        | Included                    |
| Free Software Upgrades For Life   | 1                        | Included                    |
| ProtoMAX Garnet Abrasive (55lb bucket)  | 1                        | Included                    |
| One-Year Warranty   | 1                        | Included                    |
| Shipping to Continental US (Hawaii & Alaska additional)                           | 1                        | Included                    |
|   | <b>TOTAL<sup>3</sup></b> | <b>\$55,000<sup>5</sup></b> |

### ADD CONSUMABLES & ACCESSORIES: UPGRADE PACKAGE

The **UPGRADE PACKAGE** starts with the Standard System and adds additional consumables, such as spare mixing tubes, extra jewel orifices, and filters. This package features a powered Drain Water Filter Tank<sup>4</sup> that helps filter the excess garnet and other debris from the tank water. Also included is the Water Spray Kit, which helps keep the cutting area interior clean and is handy for cleaning freshly cut parts.

| DESCRIPTION   | QUANTITY                 | PRICE                       |
|---|--------------------------|-----------------------------|
| <b>STANDARD SYSTEM</b>  | 1                        | Included                    |
| System Spare Parts Kit (tank slats, mixing tubes, nozzle filters, and jewel orifices) | 1                        | Included                    |
| Drain Water Filter Tank (DWFT) <sup>4</sup>   | 1                        | Included                    |
| Water Spray Kit (spray nozzle and hose)   | 1                        | Included                    |
|   | <b>TOTAL<sup>3</sup></b> | <b>\$21,450<sup>5</sup></b> |

### STOCK UP ON GARNET: POWER USER PACKAGE

Become a **POWER USER** by having extra garnet at a bundled price to your Standard System with Upgrade Package to keep you cutting for hours on end.

| DESCRIPTION                            | QUANTITY                 | PRICE                       |
|--|--------------------------|-----------------------------|
| <b>STANDARD SYSTEM</b>                 | 1                        | Included                    |
| <b>UPGRADE PACKAGE</b>                 | 1                        | Included                    |
| ProtoMAX Garnet Abrasive (55lb bucket) | 6 @ \$67.50 ea.          | Included                    |
|  | <b>TOTAL<sup>3</sup></b> | <b>\$21,855<sup>5</sup></b> |

<sup>1</sup> Optional accessories may reduce cutting travel.

<sup>2</sup> Recommended maximum orifice size. Smaller orifice sizes have a corresponding lower flow rate.

<sup>3</sup> Tax not included. Appropriate local sales tax is applied unless tax-exempt status is proven.

<sup>4</sup> The Drain Water Filter Tank (DWFT) requires a separate 120VAC power source.

<sup>5</sup> Prices subject to change without any notice. Contact OMAX for the latest pricing information.



Specifications subject to change without notice.  
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[WWW.PROTOMAX.COM](http://WWW.PROTOMAX.COM)

Made in the USA

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