



MK Diamond Products, Inc.



## MKDX Bullnose & Shaping Machine

The MKDX makes fabricating tile and stone on the job site easy and precise. You can rough shape and polish, bevel and bullnose finishes on material up to 14". It's a powerhouse with a 2 HP motor, great for marble, porcelain or granite tile. Engineered for the professional, it establishes new standards in job site performance and design.

- Micro V-belt drive system
- Heavy-duty drive shaft with sealed bearing
- Material slide can be adjusted to fit various tile/stone widths
- Water filter to limit the amount of debris from entering the water system
- Easy clean water tank with large clean out hole
- Wear resistant plastic material slide
- Adjustable spray guard protects against spray and flying debris
- Remotely mounted 20 amp NEMA 4 power switch
- Foot switch for operator convenience and safety
- Powder coated, heavy-duty steel construction
- Micro-profile adjustments are simple and easy
- One-year limited warranty



### MKDX 2 HP, Bullnose and Profiler

The MKDX Bullnose and Profiler machine has been designed to provide fabrication capability on any jobsite. Equipped with a powerful 2 HP motor, the MKDX can rough shape and polish, bevel and bullnose finishes on tile, marble and granite. With a heavy-duty reinforced steel frame, the MKDX has been built for accuracy and high productivity. Stainless steel slides ensure long life and are corrosion resistant. Micro-profile adjustments are simple and easy to make. One-year limited warranty.

|                          |  |
|--------------------------|--|
| Motor                    | Electric                                     |
| Power                    | 2 HP, 120V                                   |
| Arbor RPM                | 2,125  |
| Arbor                    | 5/8"   |
| Water Tank Capacity      | 3 gallons (14 liters)                        |
| Maximum Material Size    | 14" (356 mm)                                 |
| Maximum Depth of Shaping | 15 mm  |
| Maximum Depth of Radius  | 15 mm  |
| L x W x H (inches)       | 36" x 29" x 42"                              |
| L x W x H (mm)           | 914 x 736 x 1067                             |
| Weight                   | 182 lbs. (83 kg)                             |
| Includes                 | • Stand<br>• Material Slide<br>• Foot Switch |
| Part#                    | 165168                                       |
| Optional                 | 24" Material Slide                           |
| Part#                    | 166409                                       |



Foot switch is provided for operator convenience and safety



Unique clamping system allows a variety of tile sizes and thicknesses to be shaped



Built-in water tank for cooling, features water filter system to stop debris from entering water pump system

Available with 220V/50Hz motor. Profile wheels not included.



# Shaping and Polishing with the **MKDX**

MK Diamond Profile Wheels are designed to achieve a quality finish on all profile and bevel shapes. The unique design of the profile wheel allows for even removal rates with minimal effort. Shaping and polishing is a process which takes time and requires that each grit size be used properly to achieve a quality finish.

### Important Points in the Polishing Process:

Never skip grit sizes during the shaping/polishing process. Skipping grit sizes will result in an unsatisfactory finish to the stone.

To finish the profile always use the same radius wheel as used for the initial shaping

### POLISHING STEPS

1. Rough shape material to the desired profile using the Segmented 30/40 grit profile wheel.
2. Next change wheel to the Sintered Profile Wheel. Smooth the surface as much as possible with the 60/80 grit. Check the wheel height and depth to ensure full contact with the previously created profile.
3. Change to the Plated Wheel, 140/170 grit. The smoothing of the surface during this stage of polishing will determine the quality of the finish that will be achieved.
4. Once all large scratches have been sufficiently removed the finer grit resin bond wheels can be used to achieve the quality finish. The fine grit pads consist of 400, 800, 1,500, 1,800 and 3,500. If more luster/color from the polished surface is desired, use the Buff wheel.



**MKDX**  
Segmented (Course)



**MKDX**  
Sintered (Medium)



**MKDX**  
Plated (Fine)



**MKDX**  
Resin Bond (Polish)

### MKDX Segmented (Course)

| Grit  | Description                     | Part#  |
|-------|---------------------------------|--------|
| 30/40 | 10 mm Radius Bullnose B-Profile | 165759 |
| 30/40 | 15 mm Radius Bullnose B-Profile | 165760 |
| 30/40 | 10 mm 45° Bevel E-Profile       | 165762 |
| 30/40 | 15 mm 45° Bevel E-Profile       | 165763 |
| 30/40 | 90° Square Profile              | 166021 |

### MKDX Sintered (Medium)

|       |                                 |        |
|-------|---------------------------------|--------|
| 60/80 | 10 mm Radius Bullnose B-Profile | 165764 |
| 60/80 | 15 mm Radius Bullnose B-Profile | 165765 |
| 60/80 | 10 mm 45° Bevel E-Profile       | 165767 |
| 60/80 | 15 mm 45° Bevel E-Profile       | 165768 |

### MKDX Plated (Fine)

|         |                                 |        |
|---------|---------------------------------|--------|
| 140/170 | 10 mm Radius Bullnose B-Profile | 166077 |
| 140/170 | 15 mm Radius Bullnose B-Profile | 166078 |
| 140/170 | 10 mm 45° Bevel E-Profile       | 166079 |
| 140/170 | 15 mm 45° Bevel E-Profile       | 166080 |

### MKDX Resin Bond (Polish)

|      |                                 |        |
|------|---------------------------------|--------|
| 400  | 10 mm Radius Bullnose B-Profile | 165769 |
| 800  | 10 mm Radius Bullnose B-Profile | 166082 |
| 1500 | 10 mm Radius Bullnose B-Profile | 166083 |
| 1800 | 10 mm Radius Bullnose B-Profile | 166084 |
| 3500 | 10 mm Radius Bullnose B-Profile | 166085 |
| Buff | 10 mm Radius Bullnose B-Profile | 166081 |
| 400  | 15 mm Radius Bullnose B-Profile | 165770 |
| 800  | 15 mm Radius Bullnose B-Profile | 166087 |
| 1500 | 15 mm Radius Bullnose B-Profile | 166088 |
| 1800 | 15 mm Radius Bullnose B-Profile | 166089 |
| 3500 | 15 mm Radius Bullnose B-Profile | 166090 |
| Buff | 15 mm Radius Bullnose B-Profile | 166086 |

### PROFILE SHAPES

