To order Call

West Coast  
800-336-2946  
562-694-1633 Fax

East Coast  
800-511-5532  
562-694-1633 Fax

www.edmperformance.com
COMPLETE PRODUCT LIST

EDM Performance Accessories

EDM ACCESSORIES
- Adhesives and Conductive Paint
- Dielectric Fluid (Iono Plus/Rustlick)
- Filtration: Systems & Cartridges
  - Lamps for EDM machines
  - Torit Dust Collectors
  - Vac-U-Guard Dust Pick Up
  - Rust Inhibitor & Cleaners

SPARE PARTS
- 3R Tooling for workpiece mounting
  - Power Feed Contacts / Carbides
    - Bearings
    - Belts
  - Wire Choppers
  - Diamond Guides
- Replacement and specialty flush cups

Resin
- Regenerated Resin
- Virgin Resin
- Bulk Resin
- Resin Tanks
- DI systems & cartridges
  - Pre - Filters

TUNGSTEN ALLOYS
- Silver Tungsten
  - Tungsten Carbide: tubing and rods
  - Tungsten Wire: spooled, straight lengths
  - Copper Tungsten: rounds, squares, rectangles, rolled sheets, tubing and rods

WIRE EDM
- Checkered Flag Brass wire
- Checkered Flag Zinc Coated wire
  - Deutsch Cut
  - Golden Cut A
  - Golden Cut D
  - Golden Cut X
  - Golden Cut T
- OKI EDM wire
  - Diacut
  - VAN-TG Brass
  - Reliable Brass

EDM TOOLING
- System 3R Tooling
  - Rotobore Rotating Spindle
- Westhoff Horizontal Drilling Machine
  - Walker Magnetic Chucks
  - Westhoff Drills
  - Tubing Chucks
  - Vacuum Chucks

COPPER & BRASS
- Copper and brass tubing and rod
  - Kor-less copper tubing
  - Molybdenum tubing
  - Tapping electrodes
  - Telco: rounds, rectangles, squares
  - Brass hole drilling electrodes

GRAPHITE MANUFACTURERS
- Poco graphite
  - ToyoTanso

GRAPHITE BLANKS
- Precision Ground Electrode Blanks
  - Rounds / Rods
  - Tapping Electrodes

CUSTOM MACHINED ELECTRODES
- Call, e-mail or fax your prints

Filters
- OEM - Mitsubishi
  - Dynamic
  - Ebbco
- Filtration Systems
  - EPA Brand Filters
    - Charmilles
    - Sodick
    - Fanuc
    - Makino
    - Agie

Several Stocking Locations Throughout the USA

West Coast 1-800-336-2946
East Coast 1-800-511-5532
<table>
<thead>
<tr>
<th>Category</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDM Wire</td>
<td>4-7</td>
</tr>
<tr>
<td>Graphite</td>
<td>8-9</td>
</tr>
<tr>
<td>Filters</td>
<td>10</td>
</tr>
<tr>
<td>EDM Replacement Parts</td>
<td>11</td>
</tr>
<tr>
<td>Resin</td>
<td>12</td>
</tr>
<tr>
<td>Electrodes &amp; Metallics</td>
<td>13</td>
</tr>
<tr>
<td>Tooling</td>
<td>14-15</td>
</tr>
<tr>
<td>Dielectric Oils</td>
<td>16</td>
</tr>
<tr>
<td>Hole Poppers</td>
<td>17-18</td>
</tr>
<tr>
<td>Accessories</td>
<td>19-22</td>
</tr>
<tr>
<td>Water Jet Consumables</td>
<td>23</td>
</tr>
</tbody>
</table>

**EDM Performance Accessories**

[www.edmperformance.com](http://www.edmperformance.com)

West Coast   800-336-2946           East Coast   800-511-5532
CHECKER FLAG “Classic Cut”—High quality ZINC wire

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Material</td>
<td>CuZn35</td>
</tr>
<tr>
<td>Coating Material</td>
<td>Zn alloy</td>
</tr>
<tr>
<td>Diameter Tolerance</td>
<td>-0.002mm</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>900 and 500 N/mm²</td>
</tr>
<tr>
<td>Elongation</td>
<td>&lt;2%</td>
</tr>
<tr>
<td>Conductivity IACS</td>
<td>20%</td>
</tr>
<tr>
<td>Color</td>
<td>Bright silver</td>
</tr>
<tr>
<td>Surface</td>
<td>Porous morphology of a radiator type cooling effect</td>
</tr>
</tbody>
</table>

- Machining speed 10%-20% faster than a conventional coated wire
- Improved machining accuracy, surface roughness and autothreading
- Reduced tendency of wire breakage and copper deposit
- Machining speed 20%-30% faster than brass wire

CHECKER FLAG “Quality Cut Brass” —High quality brass wire

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Material</td>
<td>CuZn35</td>
</tr>
<tr>
<td>Diameter Tolerance</td>
<td>-0.002mm</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>900 and 500 N/mm²</td>
</tr>
<tr>
<td>Elongation</td>
<td>&lt;2% and 15%</td>
</tr>
<tr>
<td>Conductivity IACS</td>
<td>20%</td>
</tr>
<tr>
<td>Color</td>
<td>Gold</td>
</tr>
</tbody>
</table>

- Tensile strength of 1,100 N/mm² also available
- Other specifications are also available
VAN-TG Non-Paraffin is manufactured to strict Mitsubishi specifications.

### VAN-TG Non-Paraffin Wire

<table>
<thead>
<tr>
<th>Stock#</th>
<th>Description</th>
<th>Diameter (in mm)</th>
<th>Spools per case/skid</th>
<th>Tensile Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>VNP04352</td>
<td>3.52 lb. / 1.6 kg</td>
<td>.004 / .10</td>
<td>6 / 96 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP06352</td>
<td>3.52 lb. / 1.6 kg</td>
<td>.006 / .15</td>
<td>6 / 96 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP0466</td>
<td>6.6 lb. / 3 kg</td>
<td>.004 / .10</td>
<td>6 / 96 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP0666</td>
<td>6.6 lb. / 3 kg</td>
<td>.006 / .15</td>
<td>6 / 96 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP0811</td>
<td>11 lb. / 10 kg</td>
<td>.008 / .20</td>
<td>4 / 72 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP1011</td>
<td>11 lb. / 10 kg</td>
<td>.010 / .25</td>
<td>4 / 72 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP1211</td>
<td>11 lb. / 10 kg</td>
<td>.012 / .30</td>
<td>4 / 72 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP10132</td>
<td>13.2 lb. / 6 kg</td>
<td>.012 / .30</td>
<td>4 / 72 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP12132</td>
<td>13.2 lb. / 6 kg</td>
<td>.012 / .30</td>
<td>4 / 72 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP0822</td>
<td>22 lb. / 10 kg</td>
<td>.008 / .20</td>
<td>2 / 32 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP1022</td>
<td>22 lb. / 10 kg</td>
<td>.010 / .25</td>
<td>2 / 32 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP1222</td>
<td>22 lb. / 10 kg</td>
<td>.012 / .30</td>
<td>2 / 32 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP1033</td>
<td>33 lb. / 15 kg</td>
<td>.010 / .25</td>
<td>1 / 12 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP1233</td>
<td>33 lb. / 15 kg</td>
<td>.012 / .30</td>
<td>1 / 12 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP0844</td>
<td>44 lb. / 20 kg</td>
<td>.008 / .20</td>
<td>1 / 12 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP1044</td>
<td>44 lb. / 20 kg</td>
<td>.010 / .25</td>
<td>1 / 12 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP1244</td>
<td>44 lb. / 20 kg</td>
<td>.012 / .30</td>
<td>1 / 12 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP1066.0</td>
<td>66 lb. / 30 kg</td>
<td>.010 / .25</td>
<td>1 / 6 per skid</td>
<td>148,000 psi</td>
</tr>
<tr>
<td>VNP1266.0</td>
<td>66 lb. / 30 kg</td>
<td>.012 / .30</td>
<td>1 / 6 per skid</td>
<td>148,000 psi</td>
</tr>
</tbody>
</table>

- VAN-TG Premium Non-Paraffin (hard brass wire)
- High tensile strength 148,000 PSI
- Consistent straightness insures threading
- Very Clean
- Diameters from .004” to .012”
- 1.6 to 30 kg spool sizes
- Wire available on “P” and “Din” type spools
- Recommended for Cuts up to 10 degrees
VAN-TG VECP Wire is manufactured to strict Mitsubishi specifications. VECP is an excellent alternative to premium brass wires.

### VAN-TG EC WIRE

<table>
<thead>
<tr>
<th>Stock#</th>
<th>Description</th>
<th>Diameter</th>
<th>Spools per case/skid</th>
<th>Tensile Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>VECP0811</td>
<td>11 lb. / 5 kg</td>
<td>.008 / .20mm</td>
<td>4 / 120 per skid</td>
<td>142,000 psi</td>
</tr>
<tr>
<td>VECP1011</td>
<td>11 lb. / 5 kg</td>
<td>.010 / .25mm</td>
<td>4 / 120 per skid</td>
<td>142,000 psi</td>
</tr>
<tr>
<td>VECP1211</td>
<td>11 lb. / 5 kg</td>
<td>.012 / .30mm</td>
<td>4 / 120 per skid</td>
<td>142,000 psi</td>
</tr>
<tr>
<td>VECP10132</td>
<td>13.2 lb. / 6 kg</td>
<td>.010 / .25mm</td>
<td>4 / 120 per skid</td>
<td>142,000 psi</td>
</tr>
<tr>
<td>VECP12132</td>
<td>13.2 lb. / 6 kg</td>
<td>.012 / .30mm</td>
<td>4 / 120 per skid</td>
<td>142,000 psi</td>
</tr>
<tr>
<td>VECP1022</td>
<td>22 lb. / 10 kg</td>
<td>.010 / .25mm</td>
<td>2 / 60 per skid</td>
<td>142,000 psi</td>
</tr>
<tr>
<td>VECP1222</td>
<td>22 lb. / 10 kg</td>
<td>.012 / .30mm</td>
<td>2 / 60 per skid</td>
<td>142,000 psi</td>
</tr>
<tr>
<td>VECP1033</td>
<td>33 lb. /15 kg</td>
<td>.010 / .25mm</td>
<td>1 / 40 per skid</td>
<td>142,000 psi</td>
</tr>
<tr>
<td>VECP1233</td>
<td>33 lb. /15 kg</td>
<td>.012 / .30mm</td>
<td>1 / 40 per skid</td>
<td>142,000 psi</td>
</tr>
<tr>
<td>VECP1044</td>
<td>44 lb. /20kg</td>
<td>.010 / .25mm</td>
<td>1 / 40 per skid</td>
<td>142,000 psi</td>
</tr>
<tr>
<td>VECP1244</td>
<td>44 lb. /20kg</td>
<td>.012 / .30mm</td>
<td>1 / 40 per skid</td>
<td>142,000 psi</td>
</tr>
</tbody>
</table>

- VAN-TG ECONOMY (*hard brass wire*)
- High tensile strength 142,000 PSI
- Consistent straightness insures threading
- Very Clean
- Diameters from .008” to .012”
- 5 to 20 kg spool sizes
- Wire available on “P” and “Din” type spools
RELIABLE—High quality, (Non-Paraffin) brass wire

GOLDEN CUT “X”
Stratified high performance wire designed for high speed
as well as precision cutting

GOLDEN CUT “XID”
Made for Charmilles CC Generators

GOLDEN CUT “A”
High quality ZINC wire for straight cuts up to 7 degrees

GOLDEN CUT “T”
High quality ZINC wire for high tapers of 7 degrees or more

GOLDEN CUT “D”
Diffusion annealed wire designed for tall work pieces
## Graphite POCO

<table>
<thead>
<tr>
<th>Material Grade</th>
<th>Average Particle Size (µ)</th>
<th>Flexural Strength (psi)</th>
<th>Compressive Strength (psi)</th>
<th>Hardness (shore)</th>
<th>Electrical Resistivity (µOhm-in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDM-1</td>
<td>&lt;5</td>
<td>9700</td>
<td>14200</td>
<td>69</td>
<td>760</td>
</tr>
<tr>
<td>EDM-2</td>
<td>&lt;5</td>
<td>11000</td>
<td>20000</td>
<td>73</td>
<td>650</td>
</tr>
<tr>
<td>EDM-3</td>
<td>&lt;5</td>
<td>13300</td>
<td>18100</td>
<td>73</td>
<td>615</td>
</tr>
<tr>
<td>EDM-C3</td>
<td>&lt;5</td>
<td>20300</td>
<td>28350</td>
<td>66</td>
<td>127</td>
</tr>
<tr>
<td>EDM-4</td>
<td>&lt;4</td>
<td>17500</td>
<td>21500</td>
<td>76</td>
<td>500</td>
</tr>
<tr>
<td>EDM-AF5</td>
<td>&lt;1</td>
<td>14500</td>
<td>22100</td>
<td>83</td>
<td>850</td>
</tr>
<tr>
<td>EDM-200</td>
<td>10</td>
<td>8100</td>
<td>14000</td>
<td>68</td>
<td>580</td>
</tr>
<tr>
<td>EDM-C200</td>
<td>10</td>
<td>12100</td>
<td>23200</td>
<td>62</td>
<td>114</td>
</tr>
</tbody>
</table>

---

**West Coast**  800-336-2946  
**East Coast**  800-511-5532  
[www.edmperformance.com](http://www.edmperformance.com)
<table>
<thead>
<tr>
<th>EDM GRADES</th>
<th>PARTICLE SIZE</th>
<th>DENSITY (g/cc)</th>
<th>ELECTRICAL RESISTIVITY</th>
<th>HARDNESS</th>
<th>FLEXURAL</th>
<th>COMPRESSIVE</th>
<th>LARGEST BLOCK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTK-9</td>
<td>2</td>
<td>1.77</td>
<td>709/1800</td>
<td>90</td>
<td>13,300/92</td>
<td>26,100/180</td>
<td>5.9x16x27.6</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>2.90</td>
<td>100/254</td>
<td>60</td>
<td>15,500/107</td>
<td>28,000/193</td>
<td>2x8x12</td>
</tr>
<tr>
<td>TTK-4C</td>
<td>4</td>
<td>1.78</td>
<td>610/1550</td>
<td>80</td>
<td>11,600/80</td>
<td>21,800/150</td>
<td>8.3x20x37.3</td>
</tr>
<tr>
<td>TTK-5</td>
<td>4</td>
<td>1.78</td>
<td>552/1400</td>
<td>72</td>
<td>10,600/73</td>
<td>19,600/135</td>
<td>8.3x20x37.3</td>
</tr>
<tr>
<td>TTK-4</td>
<td>4</td>
<td>1.78</td>
<td>590/1500</td>
<td>76</td>
<td>9,400/65</td>
<td>19,600/135</td>
<td>9x21.5x39.5</td>
</tr>
<tr>
<td>ISO-63</td>
<td>5</td>
<td>1.78</td>
<td>512/1300</td>
<td>70</td>
<td>8,700/60</td>
<td>18,800/130</td>
<td>11.4x23.6x39.4</td>
</tr>
<tr>
<td>TTK-50</td>
<td>8</td>
<td>1.80</td>
<td>528/1340</td>
<td>63</td>
<td>7,540/52</td>
<td>15,400/106</td>
<td>12x24.4x47.2</td>
</tr>
<tr>
<td>EPA200</td>
<td>8</td>
<td>1.78</td>
<td>114/290</td>
<td>68</td>
<td>12,800/88</td>
<td>27,600/190</td>
<td>3x6x12</td>
</tr>
<tr>
<td>EPA200C</td>
<td>8</td>
<td>2.88</td>
<td>433/1100</td>
<td>55</td>
<td>6,000/41</td>
<td>12,000/83</td>
<td>12x24.4x39.4</td>
</tr>
<tr>
<td>EPA150</td>
<td>10</td>
<td>1.78</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
OEM filters available
All machine types available
Wire EDM filters
Sinker EDM filters
Ebbco
**Flush Cups**

- OEM replacement and specialty flush cups for most manufacturer’s wire EDM’s.
- Exclusive special purpose flush cups designed and patented by EPA to give you up to 50% increase in speed in certain applications.

**Power Feed Contacts**

- Extended life upper carbides available for many machines
- Indexable carbides result in additional run time and lower operational costs
- 48 position carbides for AF2 and AF3 equipped machines
- Indexable carbides available separately or in cost saving kits
- Reduces maintenance and changeover time

**Diamond Guides**

- OEM quality guaranteed
- Designed to maintain peak performance
- Reduced machine downtime through exact (OEM) specification matching
- Long lasting diamond inserts provide maximum accuracy

**We Carry Spare Parts for All EDM Machines!**

- **Mitsubishi**
- **Charmilles**
- **Fanuc**
- **Sodick**

**Contact Information**

- West Coast 800-336-2946
- East Coast 800-511-5532

www.edmperformance.com
We service all makes and manufacturers resin systems
Tanks, Bags, Bulk
(virgin and regenerated)
Electrodes & Metallics

Precision Copper Tubing
Precision Brass Tubing
Multi Channel Copper Tubing
Multi Channel Brass Tubing
Tungsten Carbide Tubing
Tungsten Carbide Solid Rod
Copper Tungsten—Tubing, Solid Rod, Rounds, Squares, Sheets, Plates
Tellurium (Telco) Copper—Plates, Rounds
Silver Tungsten
Pure Tungsten Tubing
Molydenum (Moly) Tubing
Poco Graphite Tubing

West Coast  800-336-2946
East Coast  800-511-5532
www.edmperformance.com

WE ACCEPT
VISA, MASTER CARD, & AMERICAN EXPRESS
THE SUPERVICE PATENTED VICE solves Setting-up problems for the most frequently occurring sizes of workpiece - small to medium-sized.

Whether the workpiece is square, round, small or large, thin or high, you will find a solution in the System 3R product range. A product program which upgrades the versatility of your machine and minimises setting-up times.

The new HP versions are tailor-made for the latest generation of machines, with variable and/or high flushing pressure. Vices that hold fast when others lose their grip. The springback is a minimal and resonance damping is significant. Add this together and you have a very firm grip on production.
System 3R has many tools & tooling kits available for your type of machine.

**HOLDERS**
**CHUCK ADAPTERS**
**DRAWBARS**
**ADAPTER PLATES**
**REFERENCE ELEMENTS**
**SPACE PLATES**
**CHECK RULER**
**SCREWS**

Adapter Plates, Tapers

MacroHighPerformance

3Ready-to-run

We also sell Mecatool, Hirshmann and Erowa Tooling. Please call us for product and pricing information.
Dielectric Oils

Rustlick EDM 30
Rustlick EDM 250
Rustlick EDM 500

• Reduced chances of fire due to an increased flash point
• More rapid flushing at point of cut due to lower viscosity
• Elimination of DC arcing because the high API gravity allows rapid settling of particles
• Minimal rust on finished workpiece due to superior oxidation inhibitor
• Environmentally safer to worker’s health as the aromatic and sulfur content are almost undetectable under laboratory conditions
• No filter clogging from microbial growth
• Reduces polishing time
• Bulk quantities available

Iono Plus

• The only 100% pure synthetic dielectric
• Faster finishing rates
• Reduces electrode wear
• Environmentally safe
• Eliminates DC arcing and dead zones

We have available
(55) Fifty-five Gallon Barrels
and
(5) Five Gallon Pails

West Coast  800-336-2946
East Coast  800-511-5532

www.edmperformance.com
Hole Poppers

THE FEATURES OF

PROSPARK CNC

1) No chemicals need for flushing saves you money.
2) Spindle disable feature for basic die sinking.
3) Audible and visual auto-edge finding with center find feature.
4) Glass scales on all three axes.
5) Easy view 17” color LCD screen
6) Simple programming for X,Y,Z locations, no “G” or “M” code required.
7) RS232C port for easy programming and connectivity.
8) 35” floppy disk or USB
9) Graphic illustration for hole locations
10) Dry run capable for tooling clearance tests
11) Remote keyboard entry
12) Programmable “Z” auto return
13) Manual or CNC mode
14) “In/mm” scale and “absolute/incremental” function.
15) “On the Fly” adjustable power supply for those tough jobs.
16) Optional tool changer with 16-20-30 tool cassettes
17) Can be used with a programmable indexer for maximum versatility
**Hole Poppers**

**THE FEATURES OF PROSPARK PNC**

1. No chemicals needed for flushing.
2. Spindle disable feature for basic die sinking.
3. Audible and visual manual edge finding with center find feature.
4. Digital readout on all three axes with glass scales.
5. Can be used with programmable indexer in auto repeat.
7. “Z” axis auto or manual return with programmable height.
8. Fully functional DRO with “in/mm” scale and “absolute/incremental” function.
9. Preprogrammed power settings with 100 user customizable settings memory.
10. Hand pendant for reduced fatigue.
11. Easy to learn and highly functional!

**Model #X33-EZ**

1. Powerful 50amp, MOSFET high frequency power supply for up to 6mm holes.
2. Optional power “Z2” allows for 14.8” clearance under the guide.
3. Heavy duty stainless steel table with 660lb capacity.
4. Tough and reliable pneumatic high pressure pump with up to 2200psi flush.
5. Simple easy to understand controls and three axes DRO with glass scales.
Torit Dust Collectors

<table>
<thead>
<tr>
<th>Model</th>
<th>SDF-2</th>
<th>SDF-4</th>
<th>SDF-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>50.1”</td>
<td>73.4”</td>
<td>86.6”</td>
</tr>
<tr>
<td>Width</td>
<td>33”</td>
<td>33”</td>
<td>33”</td>
</tr>
<tr>
<td>Depth</td>
<td>40.5”</td>
<td>40.5”</td>
<td>40.5”</td>
</tr>
<tr>
<td>Filter Cartridge Media Area</td>
<td>200 sq ft</td>
<td>412 sq ft</td>
<td>618 sq ft</td>
</tr>
<tr>
<td>Number of Ultra-Web Cartridges</td>
<td>2</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>600</td>
<td>750</td>
<td>1000</td>
</tr>
</tbody>
</table>
Accessories

Vortex 800

Features:

• Mounting brackets to fit more surface grinders than any other dust guard.
• Installs easily in Minutes!
• Meets OSHA regulations which require surface grinders to be equipped with enclosure guards and an effective exhausr system
• Revolutionary “Sliding Door” design with lock to minimize loss of suction force by providing infinitely adjustable door height for special grinding jobs
• Multiple indicator mounting holes
• Fully serviceable design allows easy clean out of vacuum channels for optimum efficiency
• Precision die cast aluminum construction for strength and durability and a reduction in weight over previous technologies

Dust Guard for Surface Grinders

VORTEX 800

Mounting Brackets
(Sold Separately)

<table>
<thead>
<tr>
<th>Grinder</th>
<th>Bracket</th>
<th>Item #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harig</td>
<td>3&quot; I.D.</td>
<td>99-227-1</td>
</tr>
<tr>
<td>Boyer-Shultz, Sharp</td>
<td>3 1/8&quot; I.D.</td>
<td>99-227-2</td>
</tr>
<tr>
<td>Brown &amp; Sharpe</td>
<td>3 1/4&quot; I.D.</td>
<td>99-227-3</td>
</tr>
<tr>
<td>Abrasive, K.O. Lee</td>
<td>3 3/4&quot; I.D.</td>
<td>99-227-4</td>
</tr>
<tr>
<td>Mitsui</td>
<td>2 pc. w/3 hole face mount (104mm screw hole space)</td>
<td>99-227-5</td>
</tr>
<tr>
<td>Kent</td>
<td>2 pc. w/3 hole face mount</td>
<td>99-227-6</td>
</tr>
<tr>
<td>Chevalier (New)</td>
<td>3 1/8&quot; I.D.</td>
<td>99-227-7</td>
</tr>
<tr>
<td>Chevalier (Older)</td>
<td>100 mm</td>
<td>99-227-8</td>
</tr>
<tr>
<td>K.O. Lee</td>
<td>3 3/4&quot; w/ 3/16&quot; counter bore</td>
<td>99-227-9</td>
</tr>
<tr>
<td>Kent (100mm hole)</td>
<td>2 pc w/3 hole face mount (100mm screw hole space)</td>
<td>99-227-10</td>
</tr>
<tr>
<td>Okamoto</td>
<td>80 mm Bore 3.15&quot; I.D.</td>
<td>99-227-11</td>
</tr>
<tr>
<td>Okamoto</td>
<td>3.255 O.D. x 1.625</td>
<td>99-227-12</td>
</tr>
</tbody>
</table>

West Coast 800-336-2946
East Coast 800-511-5532
www.edmperformance.com

WE ACCEPT VISA, MASTER CARD, & AMERICAN EXPRESS
Accessories

Westhoff Drilling Machines and Flush Drills

Specifications

Overall Size: 18” high x 24” wide x 26” long
weight: 50lbs
Head Travel: 4-1/2” Vertical
Horizontal Travel: 12”
Work Table: 8-1/2” x 8-1/2” with 8-1/2” travel (100-1)
Work Table Load: 30lbs
Rheostat Speed: 0 - 15,000 rpm
Motor: 1/10hp, 115vac
Chuck: Albrecht Keyless, 0 -1/8” capacity with through hole 3/32” x 5”
Bearings: Linear Ball Bushings for ease of linear motion

Benefits of Diamond

Highest degree of hardness of any material – Lowest coefficient of friction
Highest thermal conductivity – Lowest chemical reactivity
Highest tensile and compressive strength – Broadest range of optical transmissivity

CrystallumePVD, offering Physical Vapor Deposition (PVD) coatings for the market. CrystallumePVD offers Tin, TiCN, AlTiN, CrN, and ZrN coatings for a broad spectrum of applications and is supported by the Crystallume application and engineering staff.

The new ThunderBolt Ultra Thin Nano Diamond Tools have a real diamond coating that is the thickness of most PVD coatings. You can now use real diamond where once you thought you could only afford the imitations. The performance of real diamond, along with the edge sharpness of a thin coating, gives unheard of performance in the finishing of graphite. It is also the perfect tool for those short run jobs requiring a diamond tool.

WE ACCEPT
VISA, MASTER CARD, & AMERICAN EXPRESS

West Coast   800-336-2946
East Coast   800-511-5532
www.edmperformance.com
Features:

- Reduced EDM time up to 50%
- Uniform Electrode Wear
- Exact Electrode Alignment (.0001” over 4 inches) is obtained by a Two-Way Tilting and Centering Adjustment of Built-in Centri-Tilt®
- Mounts to Any Vertical Ram or Wire EDM Machine and any Tooling System
- Drive Unit has a Closed Loop Speed Control System for High H.P. at Low Speeds
- Pressure or Suction Flushing Capabilities
- One Year Limited Warranty

The feature of the Rotobore® is its ability to dramatically reduce EDM cutting time by providing improved flushing and uniform electrode wear. The rotation provided by the Rotobore® system assists in the flushing of debris and assures that the hole produced will be perfectly round.

The Rotobore® is a complete rotating spindle system for any vertical ram or wire EDM machine. Class 7 bearings provide extremely high rotational accuracy. This allows EDMing of both small and large, perfectly round and straight holes to extremely tight tolerances.

Accurate centering and alignment of electrodes to within .0001” over 4 inches are provided by a unique built-in centering and tilting system, the Centri-Tilt®. The Centri-Tilt® provides a two axis tilt mechanism to obtain electrode parallelism to the ram and a two way shift centering mechanism to eliminate electrode runout, regardless of the size of the electrode.

The Rotobore® spindle is available by itself or as a part of a complete system which includes:

- Spindle Head (compact 4” high, 4.5 lbs)
- Flexible Drive Shaft
- Centri-Tilt® Electrode Holder
- Drive Unit (115-220V, 50/60 Hz)
- Coolant Hose Kit with Fittings
- Alignment Bar
- Storage Case
- Instruction Manual
- Choice of One Electrode Holder Size

Tubing and Collet Chucks are also Available
(Call for more Details)
We carry a wide variety of Omax & Flow consumable parts, everything from Nozzles to Manifolds. We pride ourselves on being your one stop shop on all of your Water Jet needs.

- Mixing Tubes
- Jewels
- Mixing Discs
- Rebuild Kits
- Mixing Chambers
- High Pressure Lines
- Filters
- Nozzle Bodies
- Check Valves
- Inlet Bodies

EPA offers same day shipping on orders placed by 3:30 pm
Will Calls from 7:00am to 5:00pm.

West Coast  800-336-2946
East Coast  800-511-5532
www.edmperformance.com