## Magnetic Sine Plates
4

## Magnetic Chucks
4-7

## Electro-Permanent Magnetic Chucks
8

## Magnetic Face Tooling
9

## Stainless Steel Rotary Index Fixture
10-11

## 3 & 6 Jaw Chucks
12-13

## Precision Vises
14-15

## Surface Gage
15

## Palletizing Reference Systems
16

## Custom Solutions
17

## Other Tools
18

## Parts, Accessories and Repairs
19

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### HOW TO WORK WITH HERMANN SCHMIDT

Visit [HSCHMIDT.COM](http://HSCHMIDT.COM)

- Find in-depth product details and resources.
- View large library of configuration examples.
- Order products online:
  - Pay by credit card.
  - Terms customers can also order online.
  - Most products and accessories are in stock and ship the same or next business day.

### Contact Us Directly

**Online:** hschmidt.com/contact

**Email us:** hsc@hschmidt.com

**Call us:** 860-289-3347

---

### Made in USA
Since 1962, the name Hermann Schmidt has been synonymous with superior precision workholding solutions. We are proud to continue that tradition in 2019 and beyond.

We remain focused on magnetic, high-precision mechanical and palletized workholding solutions. Please contact us if you have any questions or manufacturing challenges.

Thomas D. Duff III, President

**The Hermann Schmidt Difference**

**Great Return on Your Investment**
- Fast, flexible and repeatable setup for efficient production.
- Superior results avoid costly reruns and returns.
- Treated properly, Hermann Schmidt tools can last a lifetime.

**In Stock and Ready To Ship**
- Our standard precision is often their custom order.
- Avoid waiting weeks for tools that still do not meet our quality.

**Patented Innovation Made in the USA**
- Our tools have always been built in Connecticut.

**Configuration Designs and Sourcing**
- We recommend and develop the best workholding solutions.

**Custom Solutions**
- Contact us when custom workholding is required. We design and produce solutions for the most demanding customers.

**Repair and Refurbishment**
- We repair and recondition our products to original specs.
FINE POLE MAGNETIC SINE PLATES
- Flat, parallel and square within .0002"
- Completely sealed
- Angles 0° to 45° within .0002"
- Mahogany case included

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM4x4FPH</td>
<td>4&quot;</td>
<td>4&quot;</td>
<td>2 3/4&quot;</td>
<td>11 lbs.</td>
<td>$2350</td>
</tr>
<tr>
<td>PM6x6FPH</td>
<td>6&quot;</td>
<td>6&quot;</td>
<td>3 1/8&quot;</td>
<td>24 lbs.</td>
<td>$3025</td>
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<tr>
<td>PM6x12FPH</td>
<td>6&quot;</td>
<td>12&quot;</td>
<td>3 5/16&quot;</td>
<td>49 lbs.</td>
<td>$4100</td>
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</table>

**APPLICATIONS:** GRINDING, SINKER EDM, INSPECTION

### Compound sine plates available on website

ROUND MAGNETIC CHUCK
- Completely sealed
- 3/8” tapped hole and T-nut for mounting

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter</th>
<th>Thickness</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>R4</td>
<td>4&quot;</td>
<td>1 7/16&quot;</td>
<td>4 lbs.</td>
<td>$875</td>
</tr>
</tbody>
</table>

**APPLICATIONS:** GRINDING, PALLETIZING, SINKER EDM

Details online: www.hschmidt.com/4
**Magnetic Squaring Blocks**

- Flat, parallel and square within .0001”
- Completely sealed

![Fine Pole](image)

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Price</th>
<th>Mahogany Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSB4x4FPH</td>
<td>4”</td>
<td>1 1/2”</td>
<td>4”</td>
<td>6 lbs.</td>
<td>$1125</td>
<td>$100</td>
</tr>
</tbody>
</table>

Applications: **Grinding** **Palletizing** **Sinker EDM** **Inspection**

![Standard Pole](image)

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Price</th>
<th>Mahogany Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSB6x6</td>
<td>6”</td>
<td>2 3/16”</td>
<td>6”</td>
<td>21 lbs.</td>
<td>$1475</td>
<td>$135</td>
</tr>
</tbody>
</table>

Applications: **Grinding**

Details online: [www.hs Schmidt.com/5](http://www.hs Schmidt.com/5)
FINE POLE MAGNETIC CHUCKS
- Low magnetic flux

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
<th>WEIGHT</th>
<th>TOLERANCE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCS4x4FPH</td>
<td>4&quot;</td>
<td>4&quot;</td>
<td>1 1/2&quot;</td>
<td>8 LBS.</td>
<td>.0001&quot;</td>
<td>$1340</td>
</tr>
<tr>
<td>MCS6x6FPH</td>
<td>6&quot;</td>
<td>6&quot;</td>
<td>1 3/4&quot;</td>
<td>21 LBS.</td>
<td>.0001&quot;</td>
<td>$2085</td>
</tr>
<tr>
<td>MCS6x12FPH</td>
<td>6&quot;</td>
<td>12&quot;</td>
<td>1 13/16&quot;</td>
<td>38 LBS.</td>
<td>.0002&quot;</td>
<td>$2625</td>
</tr>
<tr>
<td>MCS8x8FPH</td>
<td>8&quot;</td>
<td>8&quot;</td>
<td>1 5/8&quot;</td>
<td>32 LBS.</td>
<td>.0002&quot;</td>
<td>$3600</td>
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<tr>
<td>MCS12x12FPH</td>
<td>12&quot;</td>
<td>12&quot;</td>
<td>1 13/16&quot;</td>
<td>74 LBS.</td>
<td>.0002&quot;</td>
<td>$4675</td>
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</table>

APPLICATIONS: GRINDING, PALLETIZING, SINKER EDM, INSPECTION

MAGNETIC CHUCKS FOR HARD MILLING
- Highest strength
- No chip contamination

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
<th>WEIGHT</th>
<th>TOLERANCE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCS6x6HSM</td>
<td>6&quot;</td>
<td>6&quot;</td>
<td>1 5/8&quot;</td>
<td>21 LBS.</td>
<td>.0001&quot;</td>
<td>$2650</td>
</tr>
<tr>
<td>MCS6x12HSM</td>
<td>6&quot;</td>
<td>12&quot;</td>
<td>1 11/16&quot;</td>
<td>38 LBS.</td>
<td>.0002&quot;</td>
<td>$3265</td>
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<tr>
<td>MCS12x12HSM</td>
<td>12&quot;</td>
<td>12&quot;</td>
<td>1 11/16&quot;</td>
<td>75 LBS.</td>
<td>.0002&quot;</td>
<td>$6125</td>
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</table>

APPLICATIONS: GRINDING, 4 & 5 AXIS, PALLETIZING, HARD MILLING

MAGNETIC BLOCKING GRIPS
- Improves the holding characteristics of your workpiece

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBGS</td>
<td>2 1/2&quot;</td>
<td>1 1/4&quot;</td>
<td>1/4&quot;</td>
<td>$135</td>
</tr>
</tbody>
</table>

APPLICATIONS: GRINDING, SINKER EDM, HARD MILLING

Details online: www.hschmidt.com/6
**Stainless Steel Magnetic Chucks**

- Designed for larger workpiece
- Can be rotated for tall workpiece

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS</td>
<td>5 1/2&quot;</td>
<td>4&quot;</td>
<td>1 1/8&quot;</td>
<td>6 Lbs.</td>
<td>$1085</td>
</tr>
</tbody>
</table>

**Applications:** Palletizing, Wire EDM

---

**Core Magnet**

- Powerful rare earth magnet
- Prevents cut off from dropping

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter</th>
<th>Height</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCM</td>
<td>1 3/16&quot;</td>
<td>1/2&quot;</td>
<td>$35</td>
</tr>
</tbody>
</table>

**Applications:** Wire EDM

Details online: www.hschmidt.com/7
ELECTRO-PERMANENT MAGNETIC CHUCKS

- Highest holding power
- Single operation accuracy
- 5-sided access
- Fail-safe controls

CONVENTIONAL MILLING

- Standard sizes 12” x 12”, 12” x 17”, 17” x 17”, 17” x 23”
- Standard designs to 40” x 60”
- Custom solutions to 8’ x 30’

APPLICATIONS: GRINDING, 4 & 5 AXIS, PALLETIZING, HARD MILLING, CONVENTIONAL MILLING

HARD TURNING & ROTARY GRINDING

- Radial pole magnet
- Ideal for ID/OD work
- Optimal for rings
- Standard designs 10” to 80”

APPLICATIONS: GRINDING, HARD TURNING

Details online: www.hschmidt.com/8
**Magnetic Face Tooling Accessories**
- Enhances performance of magnetic systems

**Self-Shimming Pole Extensions**
- Deformation-free grip and support

**Right-Angle Square**
- Turns magnetic force 90°

**Side Gripping**
- Creates magnetic side-pull for lateral holding

**Friction Coatings**
- Doubles the slide resistance

**Hard Turning Drivers**
- Allows for full machining access

**Shoe Centerless**
- Carbide inserts for durability

Details online: www.hschmidt.com/9
STAINLESS STEEL ROTARY INDEX FIXTURE

- Set precise angles within 15 arc seconds
- Fully submersible
- Up to 45 adjustable indexing positions
  - Ceramic bearings
  - Flat, parallel and square within .001”
  - Readout in decimal or degrees, minutes, seconds

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RIF-S</td>
<td>6”</td>
<td>5”</td>
<td>5 3/4”</td>
<td>$9950</td>
</tr>
</tbody>
</table>

THRU HOLE CAPACITY: 1”
INCLUDES: 8 ANGLE TOPS, WORKPIECE TOP, AND MAHOGANY CASE

APPLICATIONS: GRINDING, INDEXING, PALLETIZING, WIRE EDM, SINKER EDM, INSPECTION

DRIVE OPTIONS

**EXTERNAL MOTOR**
Reversing, O Ring Drive, 0–400 RPM

- **EXM-400** $825

**INTERNAL MOTOR**
Fully Submersible, Reversing, Direct Drive, 5–1800 RPM

- **INM-1800** $9695
  - 6 arc seconds accuracy

Details online: www.hschmidt.com/10
**TOOLING OPTIONS**

**EDM GROUND SYSTEM**
Ensures continuity

EGS-F $385

**LEVELING HEAD**
Eliminates fixture shimming

LH-RIF $1275

**V-BLOCK**
Capacity 1 1/2", stainless steel

VB $1150

**5C COLLET CHUCK**
Dead length, stainless steel

BTW-5C $1240

**ROUND MAGNETIC CHUCK**
See page 4.

**STAINLESS STEEL CHUCKS**
See page 12.

Referencing Systems
See page 16.

Details online: www.hschmidt.com/11
STAINLESS STEEL PRECISION CHUCKS

- Repeats within .0001” as part diameters vary
- Work support to face of fixture
- Relief for headed work

![Patented Logo]

**Three Jaw**

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Diameter</th>
<th>Thickness</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTDM</td>
<td>.008” to .375”</td>
<td>2”</td>
<td>1”</td>
<td>1 LBS.</td>
<td>$3445</td>
</tr>
<tr>
<td>BTDR</td>
<td>.020” to 1”</td>
<td>4”</td>
<td>1 1/4”</td>
<td>4 LBS.</td>
<td>$3600</td>
</tr>
<tr>
<td>BTDR12</td>
<td>1” to 2”</td>
<td>5”</td>
<td>1 3/4”</td>
<td>7 LBS.</td>
<td>$4100</td>
</tr>
</tbody>
</table>

**Six Jaw**

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Diameter</th>
<th>Thickness</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTDR23</td>
<td>2” to 3”</td>
<td>6 5/8”</td>
<td>1 3/4”</td>
<td>14 LBS.</td>
<td>$6995</td>
</tr>
<tr>
<td>BTDR34</td>
<td>3” to 4”</td>
<td>7 13/16”</td>
<td>1 3/4”</td>
<td>19 LBS.</td>
<td>$13250</td>
</tr>
</tbody>
</table>

Not a stock item.

Applications: **Grinding 4 & 5 Axis Palletizing Wire EDM Sinker EDM**

**Hardmilling Inspection**

Details online: [www.hschmidt.com/12](http://www.hschmidt.com/12)
- Ideal for bushing I.D.'s

**THREE JAW**

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Length</th>
<th>Width</th>
<th>Thickness</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTDSQ</td>
<td>.020&quot; to 1&quot;</td>
<td>4&quot;</td>
<td>4&quot;</td>
<td>1 1/4&quot;</td>
<td>5 lbs.</td>
<td>$3825</td>
</tr>
<tr>
<td>BTDSQ12</td>
<td>1&quot; to 2&quot;</td>
<td>5&quot;</td>
<td>5&quot;</td>
<td>1 3/4&quot;</td>
<td>9 lbs.</td>
<td>$4350</td>
</tr>
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</table>

**SIX JAW**

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Length</th>
<th>Width</th>
<th>Thickness</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTDSQ23</td>
<td>2&quot; to 3&quot;</td>
<td>6 5/8&quot;</td>
<td>6 5/8&quot;</td>
<td>1 3/4&quot;</td>
<td>16 lbs.</td>
<td>$6995</td>
</tr>
<tr>
<td>BTDSQ34</td>
<td>3&quot; to 4&quot;</td>
<td>7 13/16&quot;</td>
<td>7 13/16&quot;</td>
<td>1 3/4&quot;</td>
<td>22 lbs.</td>
<td>$13250</td>
</tr>
</tbody>
</table>

Not a stock item.

**Applications:**
- Grinding
- Palletizing
- Wire EDM
- Sinker EDM
- Hard Milling
- Inspection

- Hardened jaws and body
- Replaceable contact pins
- Includes torque limiting wrench
- Square chucks include set-up bushings for wire EDM

Details online: www.hschmidt.com/13
**Stainless Steel Precision Vises**

- Flat, parallel and square within .0002”
- Material: 440C
- Hardness: 58 RC
- Deep frozen for stability

### Applications:
- Grinding
- Palletizing
- Wire EDM
- Hard Milling
- Sinker EDM

### Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Jaw Opening</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Jaw Depth</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>V0-1 1/2S</td>
<td>1 1/2”</td>
<td>2 7/8”</td>
<td>1 1/4”</td>
<td>1 1/2”</td>
<td>1 Lb.</td>
<td>5/8”</td>
<td>$630</td>
</tr>
<tr>
<td>V0-4S</td>
<td>4”</td>
<td>6 1/2”</td>
<td>2 3/8”</td>
<td>3”</td>
<td>7 1/2 Lbs.</td>
<td>1 1/4”</td>
<td>$1740</td>
</tr>
</tbody>
</table>

Stationary jaw can be placed in 12 locations.

### Prices:

- $630 with Mahogany Case $50
- $1740 with Mahogany Case $110

### Model GJSV7

- Jaw Opening: 7”
- Length: 11 1/6”
- Width: 3 3/4”
- Height: 1”
- Weight: 9 Lbs.
- Jaw Depth: 1”
- Price: $2245

**GJSV-MJ**

Extra Moveable Jaw to hold two workpieces up to 2 5/16” each.

- See Website: $460

### Applications:
- Grinding
- Wire EDM
- Sinker EDM
- Inspection

Details online: www.hschmidt.com/14
**Precision Vises**

- Flat, parallel and square within .0002”
- Hardness: 60-62 RC
- Deep frozen for stability

<table>
<thead>
<tr>
<th>Model</th>
<th>Jaw Opening</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Jaw Depth</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>V0-1/2A</td>
<td>1 1/2”</td>
<td>2 7/8”</td>
<td>1 1/2”</td>
<td>1 1/4”</td>
<td>1 Lb.</td>
<td>5/8”</td>
<td>$570</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MAHOGANY CASE $50</td>
</tr>
<tr>
<td>V0-4</td>
<td>4”</td>
<td>6 1/2”</td>
<td>3”</td>
<td>2 3/8”</td>
<td>7 1/2 Lbs.</td>
<td>1 1/4”</td>
<td>$920</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MAHOGANY CASE $110</td>
</tr>
</tbody>
</table>

**Applications:** Grinding | Palletizing | Sinker EDM | Hard Milling | inspection

**Surface Gage**

- Hardened fine pitch screw with large adjustment knob for precise control
- Base is hardened and lapped for smooth vibration-free operation

<table>
<thead>
<tr>
<th>Model</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG-1</td>
<td>3 1/2”</td>
<td>2 1/2”</td>
<td>1 3/8”</td>
<td>4 Lbs.</td>
<td>12”</td>
<td>$350</td>
</tr>
<tr>
<td>EXT Rod</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>16 1/2”</td>
<td>$85</td>
</tr>
</tbody>
</table>

**Applications:** Inspection

Details online: www.hschmidt.com/15
Our product accuracy and reliability integrate with major referencing systems for reduced set-up time and increased productivity. We offer:

- Mounting services
- Dealers services to source and configure
- Custom integration services
CUSTOM SOLUTIONS
Production tools can be configured to meet requirements considered only possible with custom-designed tools.

SUB-MICRON PRECISION
Accuracy and repeatability better than 0.00050” available.

LEVELING FIXTURES
Eliminates fixture shimming through simple adjustments.

SUBPLATES
Quick, accurate mounting on various machining tools.

PHOTO LIBRARY OF CUSTOM SOLUTIONS
To view many more configuration examples, go to: www.hschmidt.com/photos
EXTREME PRECISION 90° INDEXER

- Total indexing error less than 2 arc seconds
- Square and parallel less than 0.0001” over 8”
- Automation ready
- System can be used in rotary applications that require extreme accuracy

STAINLESS STEEL SCROLL CHUCKS

ID/OD holding through a large range

DOVETAIL FIXTURES

Simple, rigid, accessible workholding for 4 and 5 axis machining
ADDITIVE MANUFACTURING
In process and post process solutions

- Angle plate with referencing system
- Custom build plates with referencing system
- Leveling

PARTS AND ACCESSORIES
Maintenance parts and accessories for Hermann Schmidt tools

REPAIR AND REFURBISHMENT
We repair and recondition Hermann Schmidt products to original specifications. We will inspect your tool to determine the work needed, offer alternatives and confirm charges before any work.

For more information, prices and shipping info, visit:

www.hschmidt.com/repairs