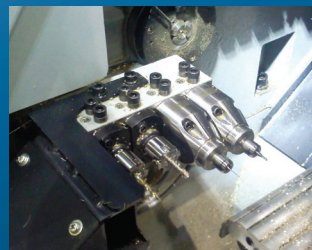


# IBAG MICRO LINE for star<sup>®</sup>

## Swiss-type CNC Automatic Lathes

The world's most compact and powerful high speed spindles offer these benefits

- Eliminate secondary operations for "Swiss Type" lathes
- Built for fine drilling, milling, engraving in micro machining, and medical applications
- 60,000 to 120,000 rpm
- 16, 19, 20, 22 & 25 mm diameter spindles-right angle spindles also available
- Reduce machining time, improve productivity and increase profits



star<sup>®</sup>

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



**IBAG North America**

Tel. 203-407-0397

Fax 203-407-0516

e-mail: [sales@ibagna.com](mailto:sales@ibagna.com)



## Standard Spindles-60,000 RPM\*

| Model Number | O.D.<br>mm | Length<br>mm | Power S1<br>watts | Power S6<br>watts | Collet<br>System |
|--------------|------------|--------------|-------------------|-------------------|------------------|
| HT22S100     | 22         | 105.5        | 150               | 196               | ER8-UP           |
| HT20S100     | 20         | 94           | 126               | 164               | D6-UP            |
| HT19.5S100   | 19.5       | 94           | 126               | 164               | D6-UP            |
| HT19S100     | 19         | 94           | 126               | 164               | D6-UP            |
| HT16S100     | 16         | 94           | 125               | 150               | D6-UP            |

**Standard lubrication system:** grease \*80,000 RPM optional w/oil-mist lube system



## Right Angle/Adjustable Angle Spindles-60,000 RPM\*

| Model Number   | O.D.<br>mm | RA Adapter Mount<br>mm | Length<br>mm | Power S1<br>watts | Power S6<br>watts | Collet<br>System |
|----------------|------------|------------------------|--------------|-------------------|-------------------|------------------|
| HTR25S060S-01  | 25         | 22                     | 93           | 84                | 109               | ER8-UP           |
| HTR25S100S-02  | 25         | 22                     | 93           | 180               | 234               | ER8-UP           |
| HTR25S100S-03  | 25         | 22                     | 118          | 180               | 234               | ER8-UP           |
| HTA25S060CPS** | 25         | 22                     | 147.8        | 84                | 109               | ER8-UP           |

**Standard lubrication system:** grease \*80,000 RPM optional w/oil-mist lube system

\*\*± 30°



## Extended Length Spindles-60,000 RPM\*

| Model Number  | O.D.<br>mm | Length<br>mm | Power S1<br>watts | Power S6<br>watts | Collet<br>System |
|---------------|------------|--------------|-------------------|-------------------|------------------|
| HT22S100ES-01 | 22         | 162.5        | 150               | 196               | ER-8UP           |
| HT22S100ES-00 | 22         | 132.5        | 150               | 196               | ER-8UP           |

**Standard lubrication system:** grease \*80,000 RPM optional w/oil-mist lube system



## Special Spindles-60,000 RPM\*

| Model Number | O.D.<br>mm | Length<br>mm | Power S1<br>watts | Power S6<br>watts | Collet<br>System |
|--------------|------------|--------------|-------------------|-------------------|------------------|
| HT25S060S-90 | 25**       | 67.5         | 84                | 109               | ER-8UP           |
| HT25S060S-92 | 25         | 103.3        | 84                | 109               | ER-8UP           |

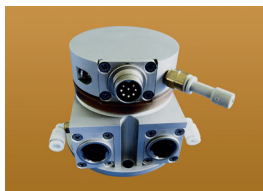
**Standard lubrication system:** grease \*80,000 RPM optional w/oil-mist lube system

\*\*22mm rear mount



## Rotary Coupling-Electric/Pneumatic Slip Ring for Turret Machines

| Model Number                  | Diameter | Length | Rating | Max. Turret<br>Speed |
|-------------------------------|----------|--------|--------|----------------------|
| Rotary Coupling for 2 Spindle | 3.35"    | 2.75"  | IP67   | 500 RPM              |
| Rotary Coupling for 4 Spindle | 3.35"    | 3.6"   | IP67   | 500 RPM              |



## Optional Equipment

- Converter
- Spindle Selector Box-2 or 4 Spindle available
- Small Spindle CNC Interface
- Filter Regulator



Spindle Selector Box



Converter



Filter Regulator

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



IBAG North America  
Tel. 203-407-0397  
Fax 203-407-0516  
e-mail: [sales@ibagna.com](mailto:sales@ibagna.com)