TOOL HOLDERS
STAR MICRONICS
SV-32/SV-38.
PCM WILLEN SA

For over 40 years, PCM Willen SA is one of the world’s leading manufacturers of special tool holders for automatic lathes. All our products are developed and manufactured in Switzerland and bear the label «Swiss Made», which is synonymous with precision, quality and reliability.

Our company is located in the middle of French-speaking part of Switzerland at the edge of Lake Geneva near Montreux. Our international dealer network ensures continued after sales support. We offer training courses, which we tailor to individual customer requirements.

PCM stays for innovation and progress. Our superbly qualified engineering staff ensures finest quality of manufacturing solutions and keeps our customers ahead of the competition.

In close cooperation with machine builders and end users, we stay on the way to satisfied customers. We will keep this track in the future.

The best quality toolholders can only provide optimum performance if they are maintained or repaired with first class replacement parts. PCM experts emphasize professional after sale support for all PCM equipment.
YOUR CHOICE N°1 IN TOOLING SYSTEMS

- Long service life
- Very gentle transmission even at high speed operation
- 100% tested
- Customised tool available

Advantages:

- High performance seal for an hermetic tool holder
- High precision preloaded spindle ball bearings class P4S
- Low backlash and high transmission accuracy
- Case-hardened and grinded spindle
- Different clamping systems in high precise concentricity
- Available with coolant through the spindle
- Case-hardened and paired bevel gears system
- Different ratios available
- High flexible coolant system (Hirt Line)
- 100% tested
- Customised tool available
- Long service life
- Very gentle transmission even at high speed operation
- 100% tested
- Customised tool available

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# STAR MICRONICS SV-32/SV-38

<table>
<thead>
<tr>
<th>Section</th>
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<td>Face drill/mill tools</td>
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Rotation:  
- CW Clockwise  
- CCW Counterclockwise

Cooling:  
- INT Interior  
- EXT Exterior  
- Without
## SV32-TSE-010

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Tool Configuration</td>
<td>2xER16+2xER16</td>
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<tr>
<td>Transmission Ratio</td>
<td>1:1</td>
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<tr>
<td>RPM max.</td>
<td>6'000</td>
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<tr>
<td>Machines Types</td>
<td>ECAS-32T, SV-38R</td>
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</table>

**Note:**

- CW
- CCW

## SV32-TSE-207

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**Note:**

- CW
- CCW
SV32-TSC-210

- 2xER16
- 1:1
- RPM max. 6'000
- Machines Types
  - ECAS-32T
  - SV-32
  - SV-38
  - SV-38R

Note:

E20-GSC-110

- ER16
- 1:1
- RPM max. 8'000
- Machines Types
  - ECAS-12
  - ECAS-20
  - SR-20J
  - SR-20JN
  - SR-20RIII
  - SR-20RII
  - SR-20RIV
  - SR-32J
  - SR-32JN
  - SV-12
  - SV-20
  - SV-32
  - SV-32JII
  - SW-20

Note:
### E20C-110-K

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<td>1:1</td>
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<tr>
<td>RPM max.</td>
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**Machines Types**
- ECAS-32T
- ST-38
- SV-32
- SV-38R

**Note:**
- EXT

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### E20C-110-IK

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**Machines Types**
- ECAS-32T
- ST-38
- SV-32
- SV-38R

**Note:**
- INT
**E20-GSC-3X**

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**Machines Types**

- ECAS-20T
- SR-20J
- SR-20RII
- SR-20RIV
- SR-20RIII
- SV-12
- SV-20
- SV-32
- SV-32J
- SV-32JN

**Note:**
## SV32-W20

<table>
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<tr>
<td>Machines Types</td>
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**Note:**
- Use 2 locations
- Adjustable ±20°
- SCHWANOG 191884, Z=6, Ø12 mm