### Technical Data

#### Standard equipment
- WEILER V2 Plus digital readout
- Upper support with often cranked handle for more clearance
- Internal lubrication for the spindle
- Breakage device for the main drive
- Machine light in front panel
- Taper drive M30xM4
- Multi setup 4 + 1-spindle exchange tool holder with WV 20.50 turning tool holder
- Movable guard with limit switch monitoring
- Movable safety guard
- Removable stop bar
- Longitudinal fixed stop
- Central lubrication
- 4-step climbing pin for the lead screw
- Set of operating keys

#### Options
- 15” WEILER touch screen WTS
- 15” WEILER touch screen tool holder with WV 20 V2 tool holder
- Three and four jaw chuck
- Four plates
- Various clamping devices for chucks
- Electrically operated dianode for working with those in blocks and open spindles
- Hollow spindle stop
- Hollow stop with stabilising jaws
- Steady rest with sliding in sliding jaws
- Steady rest
- Laser-engraved milling drill for toolstock
- Toolstock turn bead
- Cooling device
- 5-speed motor
- Additional machine lights
- eS7
- Electronic encoded stops
- Graphical assistance for taper turning
- Special versions through upstream transformer
- 230 V socket
- Other accessories on request

#### Electrical equipment
- Operating voltage 3 x AC 400 V N/PE/50 Hz
- Control voltage 24 V
- Contactor control and motor control in lockable switch cabinet in substructure
- All safety-relevant components are electrically interlocked
- Two-channel safety device
- Restart protection in case of power failure or EMERGENCY OFF
- EMERGENCY OFF integrated in substructure and headstock housing
- Safety monitoring device for ccw / cw main spindle movement
- Input of the permissible main spindle speed after switching on the machine
- Operating elements centrally integrated in the headstock housing
- e-TIM consisting of: Timer-controlled standby mode – automatic shut-down of the machine when a pre-defined time interval has elapsed, Intelligent drive management – feeds braking energy back into the power grid, Machine-status-related energy management – all auxiliary devices that are not required are automatically switched off

### Work Range
<table>
<thead>
<tr>
<th>Distance between centres (mm)</th>
<th>800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centre height (mm)</td>
<td>180</td>
</tr>
<tr>
<td>Swing over bed (mm)</td>
<td>280</td>
</tr>
<tr>
<td>Swing over cross slide (mm)</td>
<td>180</td>
</tr>
</tbody>
</table>

### Main spindle
<table>
<thead>
<tr>
<th>Spindle head DIN 55027 (ISO702-3)</th>
<th>size 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spindle diameter in front bearing (mm)</td>
<td>90</td>
</tr>
<tr>
<td>Spindle bore (mm)</td>
<td>57</td>
</tr>
<tr>
<td>Inner taper of main spindle</td>
<td>MK 6</td>
</tr>
</tbody>
</table>

### Drive power
| Drive power 100 % deep cycle (kW) | 10.5 |

### Speed range
| Type of speed (rpm) | 25 – 4,000 |

### Number of feeds
| Number of feeds stepless | 0.01 – 6 |
| Number of speeds stepless | 0.003 – 2 |

### Feed drive
| Number of feeds stepless | 0.01 – 6 |
| Number of speeds stepless | 0.003 – 2 |

### Thread cutting range
- For all thread types (metric, inch, module, Dp) mm 0.1 – 20
- Input capability mm 0.001

### Tailstock
| Quill diameter (mm) | 50 |
| Quill travel (mm)   | 110 |
| Inner taper of the quill | MK 3 |

### Dimensions
| Length / width / height (mm) | 2,000 / 970 / 1,730 |
| Weight (kg)                 | 1,500 |

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### Multi-Purpose Precision Lathes

The Start of a New Lathe Generation

Multi-Purpose Precision Lathes
Condor VCPlus

Optionally with WEILER WTS

User videos are available On the WEILER Channel at YouTube

WEILER offers a newly developed operating solution for the Condor VCPlus. The 15” touch screen enables smart and ergonomic data input.

Fast menu navigation, everything at a glance, individually adjustable. With the WTS, WEILER sets a new standard in conventional turning.

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Get There Quicker with the WEILER Touch Screen WTS

Intuitive access to all functions
All operating windows can be called and placed next to each other just as needed!

Streamlined operating keyboard
Vulnerable and protruding operating keys are a thing of the past! Operating keys are only superimposed when they are needed.

Overlay of technical drawings and sketches
Import through USB interface, the display is freely scalable through a zoom function in the window!

Safety
WEILER conventional engine lathes are approved according to the testing and certification system of the German Statutory Accident Insurance Association (DGUV). This ensures utmost operator safety.
- Two-channel safety circuit
- Guard screws and feed shaft covers
- GS approval mark
- Chuck guard proven through ballistic tests

Efficiency
The unique operating concept provided by the latest generation of WEILER lathes is the perfect solution for one-off and small batch production. In conjunction with a wide range of tool systems, the Condor VCPlus is ideal for both vocational training and industry.

Quality
WEILER stands for outstanding quality machine tool manufacturing Made in Germany. Smart and innovative mechanical solutions ensure that the machine is well within the acceptance tolerances specified by the machine tool accuracy standard DIN 8605.

The High Precision Cost Cutting Machine with “Green” Technology
- Large, easy-to-read 9” colour screen
- Constant cutting speed with speed limitation
- Additional speed and feed override through precision potentiometer
- Electronic turning against the stop through input into the DRO or teaching-in the slide position
- Electronic test switch for thread cutting
- Remaining path display for the thread length
- Stored thread cutting tables
- Tool technology store for turning speed or cutting speed of 99 tools
- Power display for the main spindle in percent (graphically) and in kW
- Electronic operation four counter for Machine “On” and Spindle “On”
- Automatic indication of the maintenance intervals
- Context sensitive help menu
- Pocket calculator function

WEILER Design
Perfectly suited to practical requirements

Leading-edge safety technology
The WEILER VCPlus digital readout fulfils the highest demands respecting safety
- 8-stage turning speed monitoring
- Adaption of the maximum turning speed according to the clamping device and machining operation
- Safety certified by the German Statutory Accident Insurance Association (GS mark)

- GS mark
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- Easy to maintain
- All maintenance points are easily accessible
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