The HTC-W series is the result of 30 years experience in tube hone design and manufacturing, combined with inputs from our customers around the globe. Most of the systems are custom-built and have enough power and sensibility to work from diameter 25 mm up to 1’000 mm. The stock removal rate is given through a 10 kW servo drive and a 4-step gearbox. This configuration ensures optimum power in the whole diameter range and a stock removal rate up to 1’000 cm³/h.

Together with the Sunnen tools, abrasives and coolant oils, all the HTC-W systems are working at their top performance and will meet everybody’s production demands.

As an all-inclusive supplier, Sunnen takes full responsibility for the entire process.

Cylinder liners, hydraulic liners, extrusion cylinders, aircraft and compressor components

The Sunnen HTC-W series

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### Technical specifications

**CAPACITY**
- Stock removal power: up to 1'000 cm³/h
- Inside diameter: 25 - 1'000 mm
- Outside diameter: 60 - 400 mm (optional up to 1'400 mm)
- Stroke length: 2'000 / 3'000 / 4'000 / 6'000 / 8'000 / 10'000 / 12'000 mm

**DIMENSIONS**
- Length: 6'200 - 27'200 mm
- Width: 1'200 - 1'500 mm
- Weight: 2'600 - 7'800 kg

**SPINDLE DRIVE SYSTEM**
- Motor (Servo): 10 kW
- Speed range (Infinitely variable): 15 - 450 RPM

**STROKE SYSTEM**
- Motor (Servo): 5.2 kW
- Speed range (Infinitely variable): 0.1 - 40 m/min

**TOOL FEED SYSTEM**
- Motor (Servo): 3.5 kW
- Motion: Rotary tool feed system with overlap gear

**COMPUTER CONTROL**
- IPC, Windows® EMBEDDED control system, screen size 15"

**WORK HOLDING FIXTURE**
- Universal V-type chain fixture (30 - 400 mm)

**SUPPLY REQUIREMENTS**
- Electrical system: 400 - 460 VAC, 50/60 Hz
- Pneumatics: 6 bar

**COOLANT SYSTEM**
- Capacity: 300 l, 38 l/min (up to 4 m)
- Magnetic separator: 70% cleaning rate

**SAFETY FEATURES**
- CE / Front: Light curtain, Back/Sides: Fence with door (optional)

**PAINT**
- Grey RAL 9002 / Black RAL 9005

**OPTIONAL FEATURES**
- Universal V-type chain fixture (350 – 600 mm)
- Universal scissor fixture (70 - 1'400 mm)
- Part rotation device (10 - 300 mm)
- Steady rest for 2 to 4 meter machines
- Full base frame coverage
- In-process gaging system for inside diameter 25 - 230 mm
- Filter unit for non ferrous application or very fine surface finish requirements
- Coolant oil chiller unit
- Air-condition for electrical enclosure
- Double stage tool option (roughing / finishing)
- Taper bore option

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NOTE: Sunnen reserves the right to make changes in specifications and design without prior notice. The information herein is based on the technical status of our machine at the time of printing of this brochure.

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