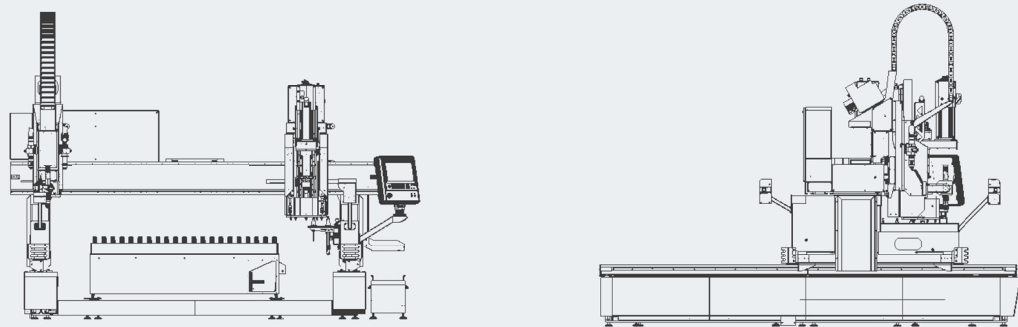


The manufacturer reserves the right to make changes and/or improvements without notice.



MODEL	TITAN DRILLCUT
Drive	AC Servo
Cutting Width	2000-7000 mm
Basic Working Length	Any length from 1500 mm
Positioning Speed	25,000 mm/min
Cutting Thickness	Up to 200 mm
Cutting Quality Standard	PN-EN 1090-2
Positioning Accuracy	PN-EN 28206
Safety Standard	PN-EN 1380

MODEL	VARIODRILL
Drilling Range	Ø 6.0 mm – Ø 32.0 mm (Ø 40.0 mm)
Tapping Range	M8 - M20
Pneumatic Clamping Force	2 x 1570 N
Tool Magazine	6 positions
Tool Holder	SK 40 / ISO 40 (DIN 69871)
Drill Tool Measurement	Automatic Calibration
Motor Power	9.3 kW

18/03/2025  
EN

OXYGEN  
PLASMA  
DRILLING



PREMIERE 2025

SOFTWARE



...and many more



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# TITAN DRILLCUT

Advanced Machining Center Combining Plasma and Oxy-Fuel Cutting  
with Mechanical Processing

Mitglied im...  
Member of...



INDUSTRY  
BUSINESS  
NETWORK 4.0

# TITAN DRILLCUT

**SUHNER**  
Drilling Professionals  
Made in Switzerland



## CHARACTERISTICS

The DrillCut machine is an advanced sheet metal processing center that integrates the latest thermal cutting and machining capabilities, ensuring precise hole drilling without material hardening.

Its customizable configuration includes plasma and oxy-fuel cutting tools, along with the powerful VarioDrill drilling unit featuring drilling, tapping, and countersinking functions, enabling comprehensive and autonomous component processing.

## KEY FEATURES

- ▶ Processing of materials up to 200 mm thick
- ▶ Precision drilling without heat impact, in compliance with DIN EN 1090-2
- ▶ Drilling Ø6-40 mm, tapping M8-M20, edge and flat countersinking
- ▶ Automatic tool change with a 6-position tool magazine
- ▶ CNC automation combining drilling and cutting in a single program
- ▶ Choice of cutting technology: plasma (2D/3D) or oxy-fuel (2D/3D)

1

**VARIODRILL SUPPORT**

The support unit is equipped with features such as automatic calibration and systematic monitoring of tool wear during drilling, ensuring maximum precision and repeatability in the machining process. The integrated pneumatic clamping system eliminates material movement and vibrations, while incremental encoders precisely determine the distance between the sheet and the tool, enhancing drilling and tapping quality. Additionally, the chip-blowing system and protective cover ensure a clean and safe working environment for the operator.

2

**AUTOMATIC TOOL CHANGER**

The six-tool magazine, featuring an advanced exchange mechanism, adapts to the machining process in real time. A slot occupancy detection sensor and automatic switching between drilling, tapping, and countersinking eliminate the need for operator intervention, ensuring maximum efficiency and machining precision.

3

**DUAL FLEX 3D**

Dual Flex 3D is a versatile tool with interchangeable torches, enabling both plasma and oxy-fuel cutting in 3D technology. Tool change takes just a few seconds, and the use of a single support for both heads expands the working area and enhances cutting and beveling capabilities for sheets, pipes, and profiles. Its unlimited rotation axis and a head tilt of up to 52° significantly accelerate the cutting process, especially in multi-part sheet production.

4

**ECKERT I-VISION CONTROLLER**

The state-of-the-art Eckert i-Vision controller is a high-end industrial device equipped with a touchscreen. Its powerful components and design, resistant to extreme conditions in production halls, ensure uninterrupted machine operation. The proprietary software's extensive functionality and intuitive interface allow for full utilization of the machine's potential. The freestanding control panel provides exceptional operator comfort and safety, allowing real-time observation of the cutting process.

5

**CONSTRUCTION**

The machine is designed for heavy-duty operation in extreme conditions. Its reinforced structure and gantry, engineered to absorb high loads, combined with appropriate safety features, guarantee stability during drilling. As a result, the machine efficiently handles even very thick and hard materials.

## STANDARD PLASMA POWER SUPPLIES

<b>HYPERTHERM</b> <small>A Hypertherm Finsterwalde Brand</small>	Max. Piercing	Max. from the edge
Powermax 45	12 mm	29 mm
Powermax 65 SYNC	16 mm	32 mm
Powermax 85 SYNC	20 mm	38 mm
Powermax 105 SYNC	22 mm	50 mm
Powermax 125	25 mm	57 mm
MaxPRO 200	32 mm	75 mm
HPR 400 XD	50 mm	80 mm
HPR 800 XD	50 mm	80 mm
XPR 170	30 mm*	60 mm
XPR 300	50 mm*	80 mm
XPR 460	64 mm*	102 mm

\*Not applicable to core console

Given data depends on the material involved and its structure. The ability to pierce depends on the material, thickness and also height sensor, and drive.

<b>FINSTERWALDE</b>	Max. Piercing	Max. from the edge
CutFire 100i	20 mm	40 mm
K200	30 mm	60 mm
SmartFocus 130	25 mm	40 mm
SmartFocus 170	30 mm	50 mm
SmartFocus 200	30 mm	60 mm
SmartFocus 300	40 mm	80 mm
SmartFocus 400	50 mm	100 mm
HiFocus 161i Neo	30 mm	50 mm
HiFocus 280i Neo	40 mm	70 mm
HiFocus 360i Neo	50 mm	80 mm
HiFocus 440i Neo	50 mm	120 mm
HiFocus 600i Neo	80 mm	160 mm
Q1500	30 mm	60 mm
Q3000	50 mm	80 mm
Q4500	50 mm	120 mm

