

increases user productivity

Automatic Torch Changer

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The ATChanger allows for the first time the automatic swapping of plasma torch heads. Being the world's first quick-change unit, it is a key element towards the automation of plasma cutting.

It is based on the quick-change system used for Kjöllberg Finsterwalde plasma torches which has been implemented and further developed for the ATChanger.

This autonomously working unit was initially fitted for the dimensions of the PerCut 370 ("Automatic") plasma torch. Thus, it is **suitable for use with the HiFocus 280i, HiFocus 360i and HiFocus 440i** plasma cutting machines.

The advantages for the user are quite straight-forward

- ✔ due to reduced downtime periods, a longer availability of the cutting system can be achieved which increases user productivity
- ✔ the system can be fitted with up to eight plasma torch heads with consumables for constant cutting tasks
- ✔ a variety of cutting tasks can be performed by fitting the machine with up to eight different torch heads – using different cutting technologies for different materials
- ✔ quick change between highest cutting output and finest marking is possible
- ✔ no release of collision protection necessary because of effortless change of torch head.

Thanks to an integrated control system, the ATChanger is able to execute an unassisted torch change. In order to keep changeover times as short as possible an internal analysis is used to choose the shortest way to the requested torch head.

The installation of the torch head needed for the respective cutting task is carried out through a service opening at the side which provides easy access for the operator.

The adjustment of the torch heads in the magazine is realised by the well-proven 5-groove-system which guarantees an exact positioning of torch head and shaft, allowing the swapping process to run quickly and safely.

It is a main feature of the ATChanger that it can be used both with 2D and 3D guiding systems.

Time saving is a major advantage for the operator of this unit. The plasma cutting system's capacity can be better utilised, manual changeover times are no longer required and the cutting system can be operated nearly unmanned.

Technical data

	ATChanger
Mains voltage	230 V AC
Compressed air	6 bar
Magazine positions	8 position
Dimension (L x W x H)	600 x 300 x 820 mm
Plazma torch ¹	PerCut 370A
Interfaces (Tool management via guiding system guide system)	digital input/output, RS232/RS485 (serial), Ethernet
Weight	75 kg

¹ Version for automatic swapping