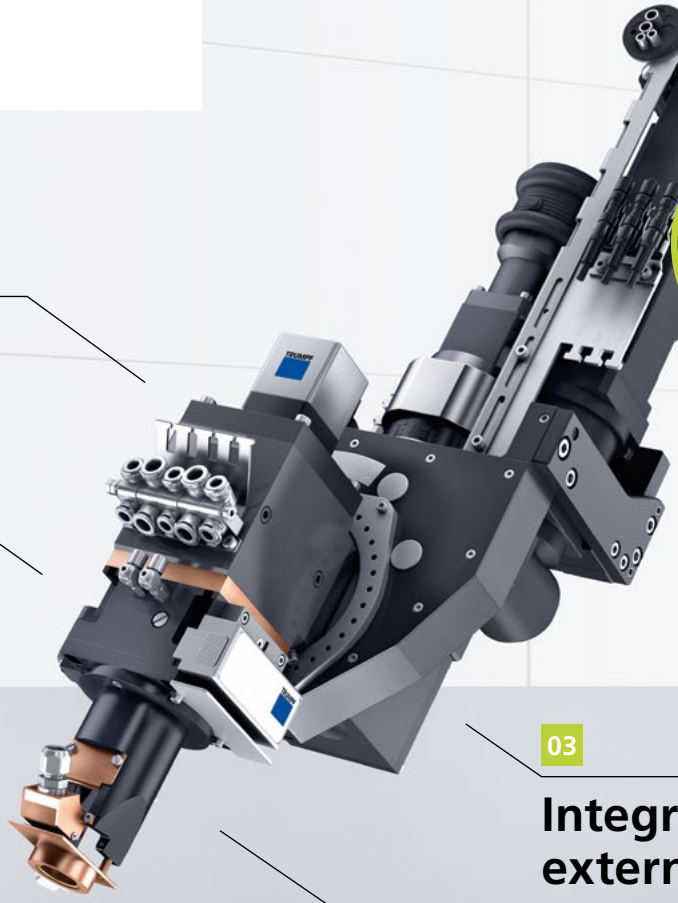
Swivel optics BEO D70

The right tool for your machine



Ideal for OEM

01
TRUMPF optics matrix

02
High precision with 0° drive

03
Integration of external motors

04
Axial and radial processing

TRUMPF

Machine tools/Power tools
Laser technology/Electronics

01

TRUMPF optics matrix

The new OEM swivel module contains optical elements from the familiar TRUMPF optics matrix. The basic design makes it possible to set the positive and negative end position as well as the reference position. You can position fixed stops from the outside.

02

High precision with 0° drive

In addition to its 90° angular gear, it also has a 0° drive without gear play, but a repeatability of 0.016°.

03

Integration of external motors

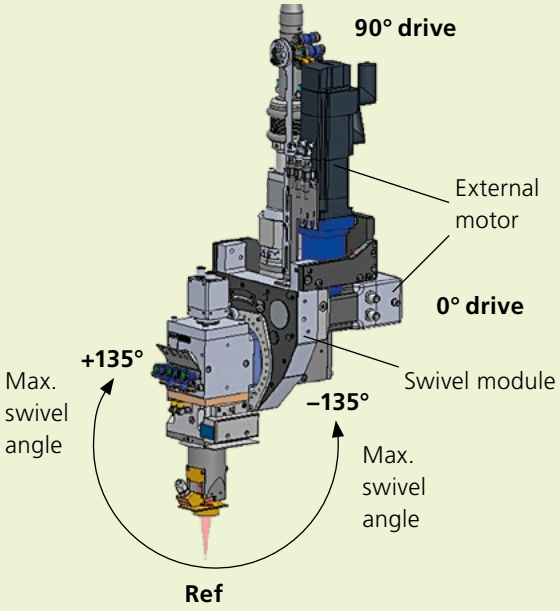
The swivel module has a mechanical interface so that you can directly connect your motor to it. As such, it can be installed without the support of the Service Department. It also has interfaces for your gas and water connections.

04

Axial and radial processing

Through an external motor, the focussing optics can be swivelled by ± 135°. In combination with a rotary axis, program-controlled tool center point processing can be carried out. Even processing on three sides is possible when the part is clamped at a single point. The hose guide, for example for water and shielding gas, is otimally aligned to the center of the swivel axis, this design enables the greatest possible freedom of movement.

Use the swivel module along with TRUMPF VisionLine series and enjoy the benefits of image processing!



Components
The focusing optics is divided into a fixed and a pivoting part, which are connected by the swivel module with each other. The D70 swivel optics can be used for welding in 2D and 3D processing, depending on the design of the focusing optics.

Technical data

Swivel module		Drive 0°	Drive 90°
Gear reduction ratio		5:1	15:1
Maximum revolution speed	rpm	approx. 120	
Working range	Degrees	< 135 (Max. position of software limit switch)	
Angular acceleration	1/s²	approx. 20	
Positioning accuracy A	Degrees	0.10	0.13
Mechanical repeatability	Degrees	0.016	0.02

Subject to alteration. Only specifications in our offer and order confirmation are binding.

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