Compact Evolution with
Galvo
- Easy-to-integrate fiber-coupled system
- Compact 19-inch, rack-mountable (3 U)
- High beam quality of 22 mm mrad
- Double laser control unit (DCU)

Quasi-simultaneous Welding
- Online process control by
  collapse measuring and/or pyrometer
- No handling necessary
- Compact space
- Simultaneous heating and
  welding of the complete contour

Contour Welding
- Also suitable for 3D contour
  and large parts
- Low requirements on
  beam quality
- Online process control
  via pyrometer

Pyrometer
- Realtime temperature measurement
- Coupled to laser beam

Software Pyrometer
- Closed loop process control
  possible
- Programmable temperature profile

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Complete Solutions - One Supplier

**MPS Compact**
- Small footprint
- Integrated laser source
- Pneumatic sliding door
- Available for seated or standing work position
- CNC controller (Beckhoff)

**Clamping Device Standard**
- Accessory clamping
- Fixed base plate with glass plate or welding mask
- Mobile carrier plate for mounting the work piece fixture
- Guide for stabilization at pneumatic cylinder
- Sensor technology for measuring the collapsing height

**Integration Package Compact**
- Mobile base plate with glass plate or welding mask
- Fixed carrier plate for mounting the work piece fixture
- Sensor technology for measuring the collapsing height

**MPS Flexible**
- Large working chamber
- Integrated laser source
- Pneumatic sliding door
- CNC controller (Beckhoff)

**Clamping Device Standard**
- Accessory clamping
- Fixed base plate with glass plate or welding mask
- Mobile carrier plate for mounting the work piece fixture
- Guide for stabilization at pneumatic cylinder
- Sensor technology for measuring the collapsing height

**Integration Package Standard**
- Mobile base plate with glass plate or welding mask
- Fixed carrier plate for mounting the work piece fixture
- Sensor technology for measuring the collapsing height

**MPS Rotary**
- Rotary indexing table ø 800 mm
- Integrated laser source
- Partition heights (150 mm, 300 mm)
- Safety light barrier
- CNC controller (Beckhoff)

**Clamping Device Standard**
- Accessory clamping
- Fixed base plate with glass plate or welding mask
- Mobile carrier plate for mounting the work piece fixture
- Guide for stabilization at pneumatic cylinder
- Sensor technology for measuring the collapsing height

**Integration Package Advanced**
- High accuracy clamping
- Fixed base plate with glass plate or welding mask
- Mobile carrier plate for mounting the work piece fixture
- Part-specific tolerance band
- User-definable error handling
- Complete process data logging

**Fixture Know-how**
- ROFIN has extensive laser and system know-how, and a wealth of application experience.
- Complete solutions with customer specific workpiece fixtures

**Human Machine Interface (HMI)**
- Different user levels
- Workpiece menu
- Welding recipe
- Process diagrams
- Manual movement (touch screen) for teaching

**Collapse Height**
- Process control
- Time resolved collapse height monitoring
- Part-specific tolerance band
- User-definable error handling
- Complete process data logging