



Technology that connects



Robot-assisted screwdriving system RSF

For flow drilling screws
with automatic feed system

Robot-assisted screwdriving system

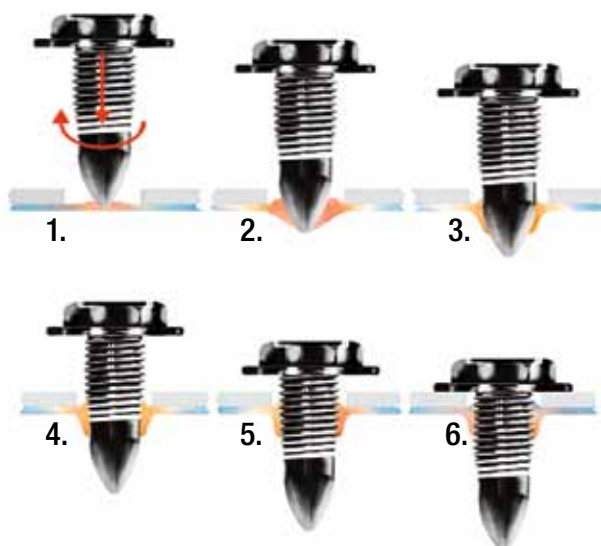
RSF

For flow drilling screws
with automatic feed system



Screwdriving process phases:

1. Tip of fastener heats the material through high thrust and high RPM
2. Material plasticized by conical screw tip
3. Cylindrical passage formation
4. Chip-free channelling of a metric True to gauge screw thread
5. Normal screwdriving phase
6. Torque-controlled screw tightening



Source: EJOT FDS®

Spindle Technical Data:

Mounting dimensions:	W x H x L = ca. 810 x 500 x 2500 mm
Spindle dimensions:	W x H x L = ca. 730 x 230 x 250 mm
Weight of RSF spindle:	approx. 35 kg
Transducer:	up to 15 Nm
Spindle Speed:	up to 5000 RPM
Maximum axial force with 5 bar:	1.500 N
cycle time for screwing in a screw:	aprox. 6 s (start / start)
Pneumatic system:	Operating pressure 5 bar
Energy supply provided by customer:	Power required 3 phase, 400 v, 50 hz.

Features:

- Straight version for standard applications
- Compact version available for limited access applications
- Tool-less screwdriving tool replacement
- Screw seating height is relative to component surface
- Controllable thrust force
- Points system available for processing different screw lengths
- C50S controller with process & screwdriver control and optional touch screen
- Possible customer interfaces to C50S:
 - a) Digital b) Interbus c) Profibus
- Cable and hose package suitable for robots
- Minimum load-bearing capacity of robot 200 kg



Technology that connects

Weber Schraubautomaten GmbH

Hans-Urmiller-Ring 56
D-82515 Wolfratshausen
Phone +49 (8171) 406-0
Fax +49 (8171) 406-111
info@weber-online.com
www.weber-online.com