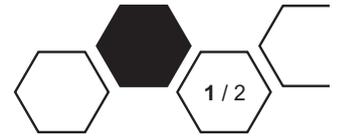
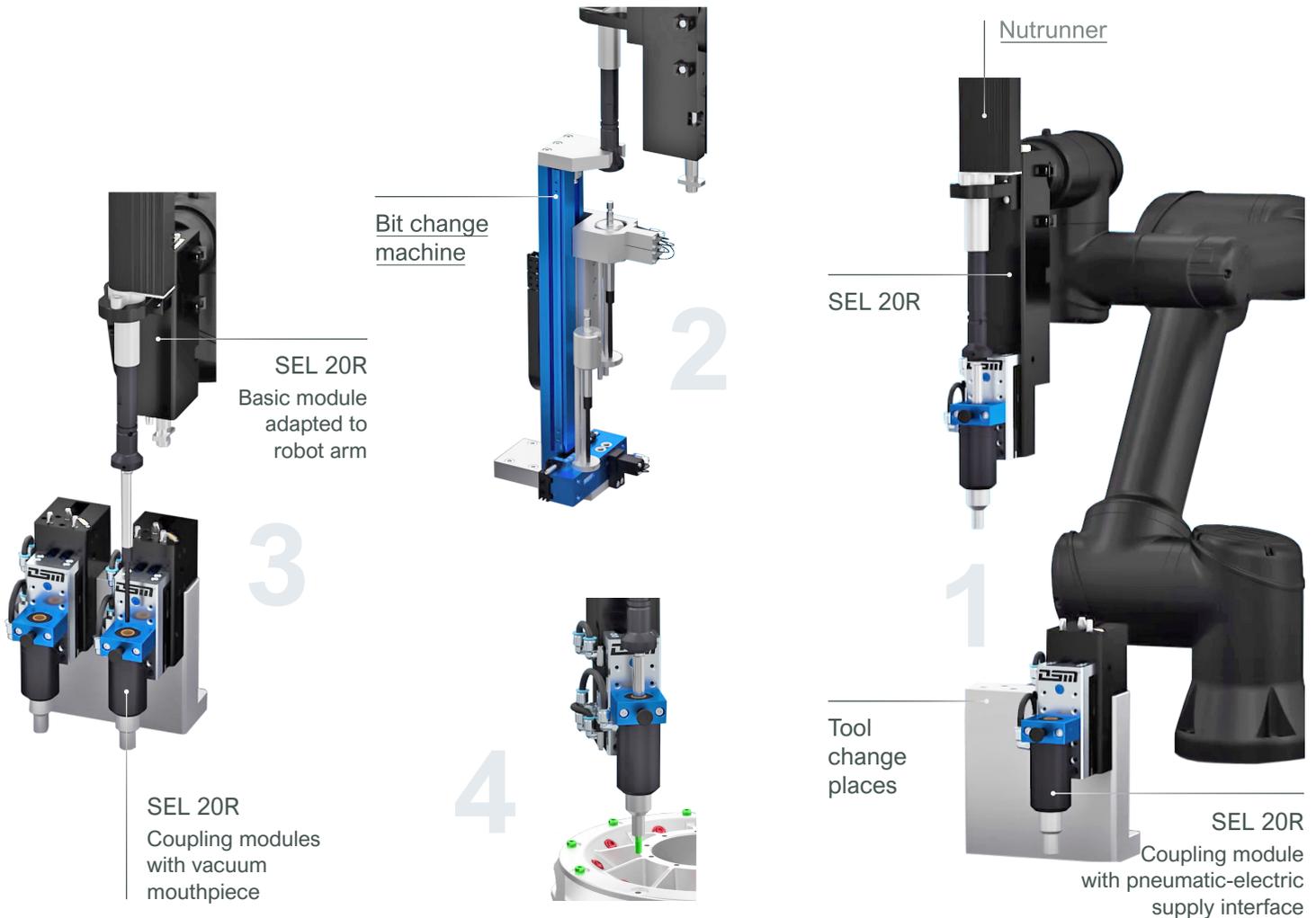


SEL 20R process automation



Your benefit – a robot tightening system for several assembly jobs with different screw geometries.

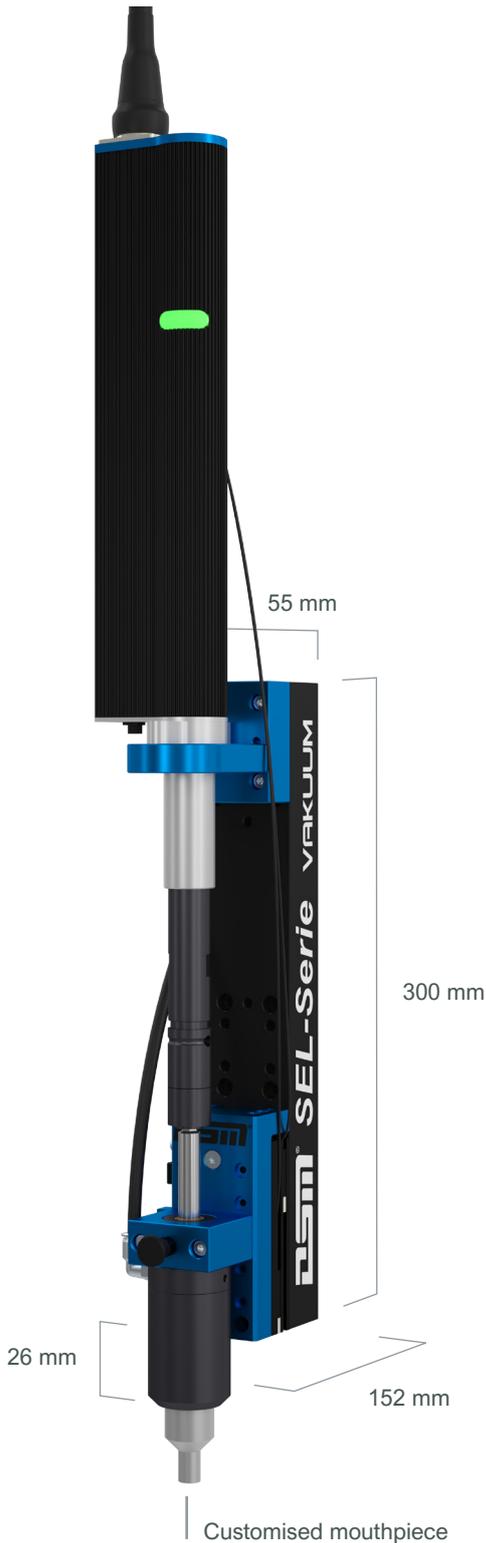
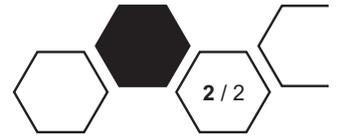
Increases the flexibility of the assembly and the possible variants in your station.



Function

(1) The robot is equipped with the SEL 20R screw setting unit and moves to the tool changing station and disconnects the coupling module. (2) The robot moves the SEL 20R to the bit change machine to pick up the bit which is suitable for the screw connection. (3) The coupling modules are in pickup position. The robot places the basic module on the suitable mouthpiece. The coupling module is locked and connected with the basic module. (4) The vacuum mouthpiece picks up the screw with low pressure and is placed by the robot at the tightening position – the tightening process is started. The screw is turned in a few rotations. Then the mouthpiece is lifted from the screw head and the screw is turned in to the final torque – this avoids a torque corruption by friction torque.





Facts and Features

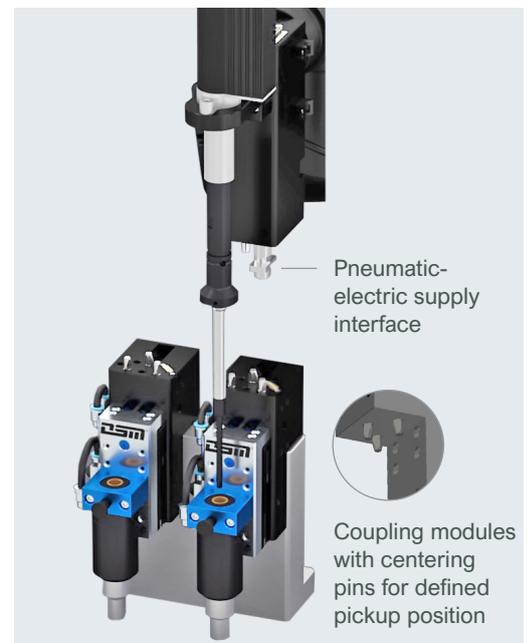
Height:	300 mm
Width:	55 mm
Depth:	152 mm
Weight:	approx. 5 kg (without nutrunner)
Operating pressure:	max. 6 bar

Coupling modules for vacuum mouthpiece for different screw geometries

Coupling modules can be exchanged without tools, equipped with centering pins for a defined pick up position

Connection of the coupling module to the basic module with pneumatic locking

Coupling modules tool-free exchangeable



Tool change places user-defined expandable

