

Technical Specifications ONLINE SPLICER OS 401W for 3M tape on cross wound roles

Available design	module compact
Construction	solid aluminium front panel as basic carrier, compact, stable metal casing
Housing colour	RAL 7032
Dimensions (x x h x d)	1100 x 1000 x 760 mm
Weight	approx. 150 kg
Mains connection	230 V AC / 45-60 Hz / 3 A single-phase
Compressed air supply	8 bar (on the part of customer)
Air consumption (during splice)	10 l/min
Vacuum supply	-0,8 bar (on the part of customer)
Vacuum consumption	3 m ³ /h
conceived for: Self adhesive tape types	3M-adhesive tapes - heat activated - cold bonding - with / without protection liner
to process tape width / type	the instrument is designed for one tape type with one tape width in the range from 5 to 15 mm; in case of order the exact tape type and tape width has to be specified The interchangeable table technology of splice-module provides the opportunity for any adaptation to further widths of tape or other types of tape by using interchangeable kits (option).
Take off speed range (nominal)	0 to 10 m/min (without option material accumulator) 0 to 30 m/min (with option material accumulator)
Max. ramp on material take-off	0,5 m/s ² (acceleration and brake ramp)
Max. frequency of ramps	6 ramps per minute (at max. speed 10 m/min)
Effective supply direction	unidirectional (only supply)
Line tension, tape unreeling	adjustable in a range from 80 to 170 cN (cN ⇔ Grams)
Mount for the tape roll	core diameter 6 inches, manually actuated expansion chuck with tactile tension feedback
Tape roll outer diameter	up to 300 mm
Tape roll width	up to 400 mm
max. length of tape	depending on tape thickness
Tape roll weight	max. 9 kg

Protection liner unwinding	switchable on / off low mass takeup reel for protection liner, torque controlled
Tension force on liner peeling	approx. 250 cN
Removal of peeled protection liner	very easily, by axial pulling, offering the option for direct disposal of the liner, sorted by type
Signal indication	
- ready for operation	max. switch capacity 250 V AC/ 3 A / break
- roll change	max. switch capacity 250 V AC/ 3 A / break
- malfunction	max. switch capacity 250 V AC/ 3 A / break
Protection	IP 50
Operational temperature range	15°C to 28°C ± 3°C, rel. humidity 60%

Design and Description

- High quality components and longlife, low maintenance technology
- Modular concept with enclosed switchgear cabinet for the electronics and drive components
- Interchangeable table technology of splicer provides easy adaptation to the width of adhesive tape
- Separator reel for the liner, with electronic torque control
- Convenient removal of the protection liner from the reel by simply lifting off, ⇒ offering the option for direct disposal of the liner, sorted by type
- Low mass dancer with easy running reversing rollers coated with a non stick finish
- Control panel integrated into the front panel
- Optoelectronic tape roll diameter sensing
- Roll change alert (lamp and floating contact)
- Malfunction alert for the idler arm (lamp and floating contact)
- Detailed operating instructions in German or English*
- CE test (without EMV-type-test)

* Option

This information describes the unit only in general and not in reference to specific applications. Please always consult with our applications engineers regarding your particular requirements.

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