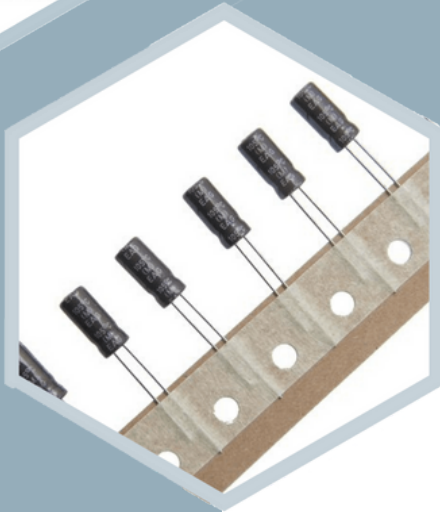
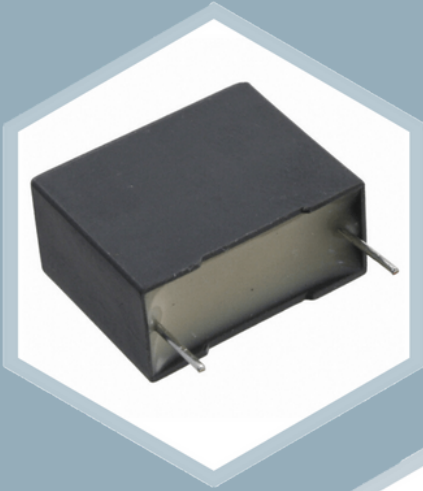




RADIAL FEEDER

RF80 & RF120

RF : for radial leaded components on tape, packaged in ammo pack or reel



GENERAL CONCEPT

Width : 80 mm or 120 mm

Length : 1100mm (605 outside table)

Weight : 21 kg

Power supply : 110/240 Vac - 50/60 Hz

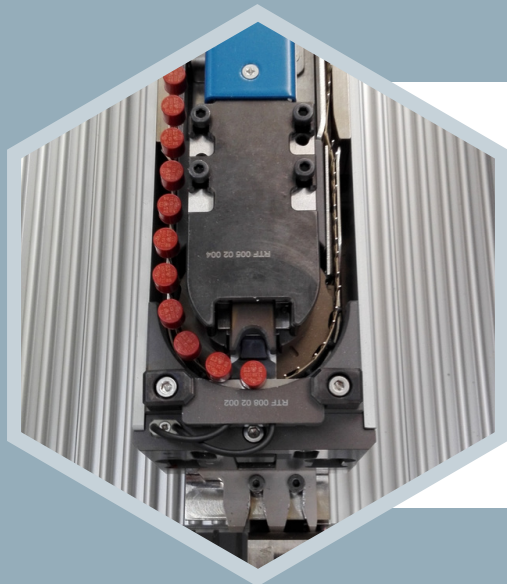
Air supply : 5 / 7 bar

- ▶ Uses the same reliable basis of all SEMO feeders
- ▶ Simple and robust mechanical systems
- ▶ Easily reconfigurable to a wide range of radial components
- ▶ Narrow Design for an optimized footprint on the placement machine.



ONLY WITH SEMO : z-ref function

Systematic mechanical Z-referencing of each component before cutting. Repeatable and accurate height of the component leads (+/-50um regardless of the component tolerance)



Integration with pick-and-place machines

- Possible integration with many pick-and-place machines
- SEMO feeders can communicate with pick-and-place machines or can function manually for tests and maintenance.

Technical specification

RF 80

Component range	
Component types	capacitors, varistors, transistors, resistors, inductors, etc.
Lead pitch	from, 2,0mm to 15 mm
Distance transport hole	max 40 mm to upper edge of component
Max component dimensions in mm	Cylinder : D=12.5 and H=12 ; Rectangle : W=13; D=6, and H=12
Lead diameter	max 1 mm round, oval or square
Cutting height	1,5 mm minimum from bottom of body
Component tape	
Tape packages	reels (up to 550mm diameter) or ammo packs (280x450x78mm)
Feed hole pitch	adjustable to 12,7 mm (0,5 inch) or 15 mm (0,59 inch)
Tape height	17,5 mm -19 mm
Distance transport hole cutting edge	adjustable from 11 mm to 22 mm +/- 0,2mm
Empty tape disposal	empty tape transport to the backside of the feeder and cut
Splicing	ability to splice
Applicable tape standard	IEC 60286-2:2015
Performance	
Cycle time per component	0,8s - 2,5 s/component
Cutting height repeatability with z-ref option	+/- 50um with reference to component
Standard	CE
Reel changeover	< 2mn
Footprint of ASM xtable	7 tracks
HMI Interface	
Status indication	flashing LED
Human management	reset button
Pitch Adjustment	selectors
Options	
Referencing in z axis	z-ref fonction for 50 um repeatability
Communication to machine	as per pick and place machine
Management of disposed tape	disposal drawer (capacity of 1 full reel of paper)
Cleanliness	vaccun and filtering at cutting
Tape end detection	tape end (ammo) and tape change (reel) detection
Cut angle	45°, 60°
Energy connection	electrical/Pneumatic connections plate
Storage and mobility	trolley with or without drawers
Component weight support	mobile crutch
Interlayer drawer	grinding interlayer paper into the drawer

RF 120

Component range	
Component types	capacitors, varistors, transistors, resistors, inductors, etc.
Lead pitch	from, 2,0mm to 15 mm
Distance transport hole	max 50 mm to upper edge of component
Max component dimensions in mm	Cylinder : D=20 Rectangle : W=26
Lead diameter	max 1 mm round, oval or square
Cutting height	2 mm minimum from bottom of body
Component tape	
Tape packages	reels or ammo packs
Feed hole pitch	adjustable to 12,7 mm (0,5 inch) or 15 mm (0,59 inch) simple/double/triple pitch
Tape height	17,5 mm -19 mm
Distance transport hole cutting edge	adjustable from 11 mm to 22 mm +/- 0,2mm
Empty tape disposal	empty tape transport to the backside of the feeder and cut
Splicing	ability to splice
Applicable tape standard	IEC 60286-2:2015
Performance	
Cycle time per component	0,8s - 2,5 s/component
Cutting height repeatability with z-ref option	+/- 50um with reference to component
Standard	CE
Reel changeover	< 2mn
Footprint of ASM xtable	11 tracks
HMI Interface	
Status indication	flashing LED
Human management	reset button
Pitch Adjustment	selectors
Options	
Referencing in z axis	z-ref fonction for 50 um repeatability
Communication to machine	as per pick and place machine
Management of disposed tape	disposal drawer (capacity of 1 full reel of paper)
Cleanliness	vaccun and filtering at cutting
Tape end detection	tape end (ammo) and tape change (reel) detection
Cut angle	45°, 60°
Energy connection	electrical/Pneumatic connections plate
Storage and mobility	trolley with or without drawers
Component weight support	mobile crutch
Interlayer drawer	grinding interlayer paper into the drawer