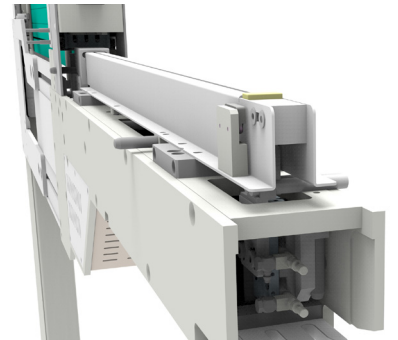
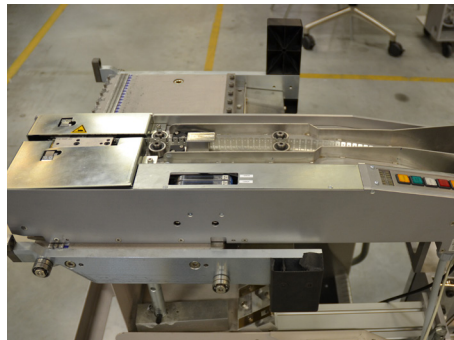
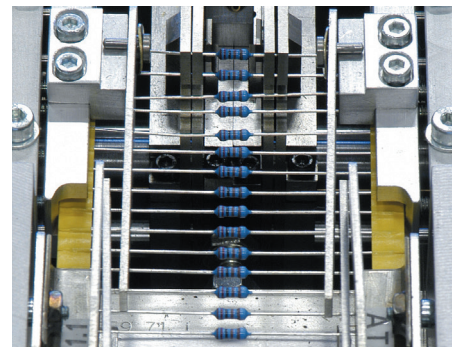
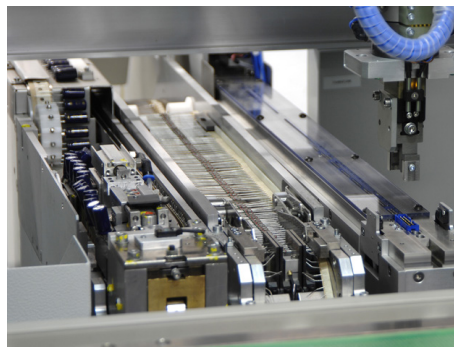
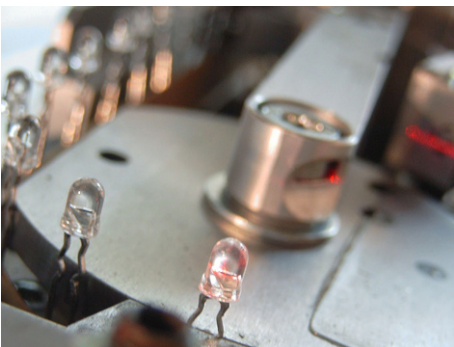


FEEDING



FEEDING  
MARKING  
MOUNTING  
SCANNING  
SOLDERING  
VISION  
WELDING  
CLEANROOM  
CONVEYING  
DEPANELING

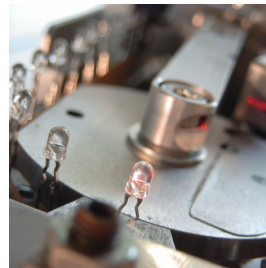
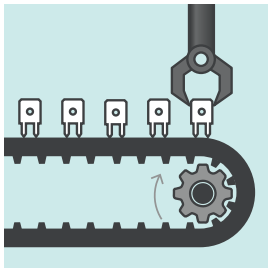


# Feeding solutions

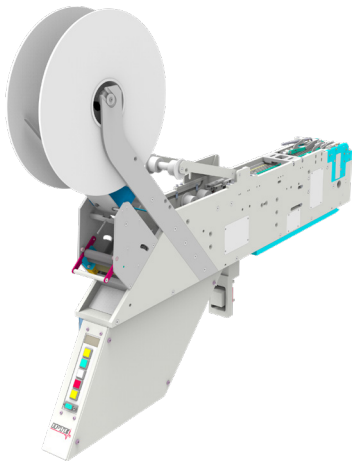
IPTE component feeding solutions are designed to handle a wide variety of components from odd shaped components through to more standard types such as connectors and surface mount devices, with customised options also available.

IPTE feeders are totally interchangeable and upgradeable for new product types so only a very small portion of the unit is customised.

- Built for high reliability and retain an excellent price/performance ratio
- Feed a wide variety of odd shaped SMD and conventional components
- Integration to most available SMD platforms
- Intelligent communication to host platform

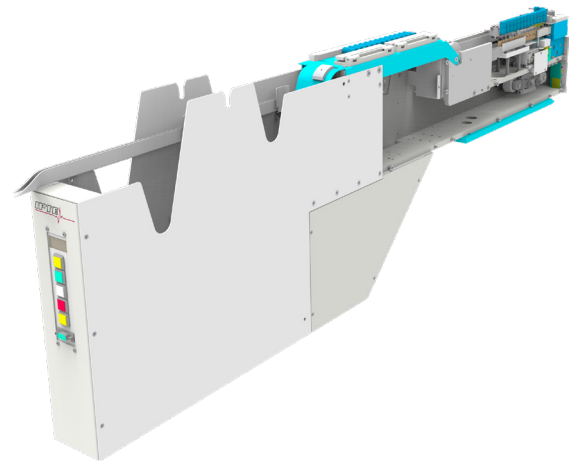


## ATF - Axial Tape Feeder



- Efficient and productive feeding
- Integrated lead cutting and bending unit
- Wide Component range
- Easy readjustment
- Intelligent communication with placement system
- Easy user interface
- Fits all OFP-equipment
- Panasonic types CM4xx, CM6xx and NPM
- ASM Siplace types S2x, F4/5, HF3/7-Series, X, SX series with S or X-table

## RTF - Radial Tape Feeder



- Efficient and productive feeding
- Integrated lead cutting unit
- Wide Component range
- Easy readjustment
- Intelligent communication with placement system
- Easy user interface
- Fits all OFP-equipment
- Panasonic types CM4xx, CM6xx and NPM
- ASM Siplace types S2x, F4/5, HF3/7-Series, X, SX series with S or X-table

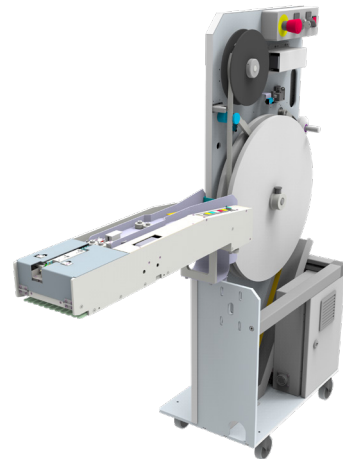
# Feeding solutions

## MSF - Midrange Stick Feeder



- Efficient and productive feeding
- Seamless feeding
- Easy user interface
- Fits most OFF-equipment
- MSF PA: Panasonic types CM4xx, CM6xx and NPM
- MSF SD: ASM Siplace types S2x, F4/5, HF3/7-Series, X, SX series with S or X-table
- Intelligent communication with placement system
- Large range component types and stick formats

## Tab Feeder



- Efficient and productive feeding of Faston tabs
- Integrated cutting unit
- Wide Component range
- Easy readjustment
- Intelligent communication with placement system
- Easy user interface
- Fits all OFF-equipment
- Panasonic types CM4xx, CM6xx and NPM
- ASM Siplace types S2x, F4/5, HF3/7-Series, X, SX series with S or X-table

## EasyTray loader



- Configurable modular trayfeeder
- Automatic Tray Exchange
- Mechanical tray separator
- Lean design - optimized footprint
- Flexible tray stack loading: manual, trolley or AGV
- Intelligent communication with placement system
- Touchscreen HMI - Easy user Interface
- Side by side positioning possible

## FlexTray loader



- Compact reliable Tray Loader
- Automatic Tray Exchange
- Silent operation
- Lean design - optimized footprint
- AGV/AIV Prepared

# Bauteilzuführung Spezifikation

Process Specification	ATF	ATF XL	RTF
Cycle time per component:	< 0,8 sec (5 mm tape pitch)		0,8 - 2,5 sec/component
Tape norm:	DIN IEC 286 and EIA 296		DIN IEC 286 and EIA 296
Tape width/height:	63 - 67 mm/-	78 - 97 mm/-	-/17,5 - 19 mm
Component dimensions:	max. Ø 12 mm, 15 mm length	max. Ø 12 mm, 30 mm length	Ø 3 - 12 mm, 3 - 29 mm height
Standard grid:	12 - 20 mm	12 - 35 mm	3,5 - 12 mm
Lead diameter:	0,4 - 0,8 mm Round, Oval, Square		0,4 - 1 mm Round, Oval, Square
Lead cutting:	0°		45° / 60°
Reel diameter:	Max. 400 mm		Max. 400 mm
Pick position repeatability:	± 50 µ		± 50 µ

## Technical Specification

Electrical power:	24 V		
Compressed air:	6 - 20% bar, according to DIN ISO 8573 3.4.5		
Color:	Blank anodized		
Outside dimension (L x D x H):	90 x 1.060 x 392 mm	120 x 1.060 x 392 mm	90 x 1.060 x 392 mm
Interface:	IPTE		
Standards:	CE		

Process specification	MSF	MSF PA / MSF SD
Cycle time per component:	0,8 - 2,5 sec/product	0,8 - 2,5 sec/product
Feeder width:	60 mm (XL: 80 mm)	60 mm (XL: 80 mm)
Tube reservoir:	406 mm	406 mm
Tube length (min/max):	406 - 610 mm	406 - 610 mm
Tube width (min in-/max outside):	6 - 40 mm (XL: 26 - 60 mm)	6 - 40 mm (XL: 26 - 60 mm)
Tube height (min in-/max outside):	5 - 57 mm	5 - 35 mm (PA), 5 - 30 mm (SD)
IPTE Pick and place unit:	yes	
Panasonic MSF PA:		CM4xx, CM6xx and NPM
ASM Siplace MSF SD:		S2x,F4/5,HF3/7,X,SX (S,X-table)
Fuji		NXT
Secondary feeding:	Option	Standard
Product lift:	Option	Standard

## Technical Specification

Electrical power:	24 V	
Compressed air:	6 - 20% bar, according to DIN ISO 8573 3.4.5	
Color:	Blank anodized	
Outside dimension (L x D x H):	60 (XL: 80) x 1.748 x 825 mm	PA 60 (XL 80) x 1.776 x 825 mm SD 60 (XL 80) x 1.627 x 825 mm
Interface:	IPTE	PA: Panasonic Platform SD: ASM Siplace Platform

Tray specification	EasyTray loader	FlexTray loader
Width:	300 - 400 mm	300 - 400 mm
Length:	300 - 600 mm	300 - 600 mm
Height:	10 - 80 mm	10 - 80 mm
Clamping features:	On both sides of the tray	On both sides of the tray
Pokayoka:	Chamfer at one of the corners Different tray shapes possible	Chamfer at one of the corners Different tray shapes possible
Tray stack height:	450 - 550 mm	600 mm
Tray stack weight:	25 kg	40 kg

## Process Specification

Cycle Time per Component:		5 sec
Tray Transportation:	Transport belt	
Tray Separation:	Special separation unit	Special separation unit
Positioning fixture in work position:	Pneumatic	On drawer
Tray Exchange time:	2 - 10 sec	7 sec

## Technical Specification

Doors:	Safety lock	
Energy requirements:	Single-phase 230V AC, 50 Hz	
Compressed air:	6 - 20% bar, according to DIN ISO 8573 3.4.5	
Outside dimension (L x D x H):	820 x 800 x 2.000 mm	1.000 x 1.200 x 2.000 mm
Standards:	CE	