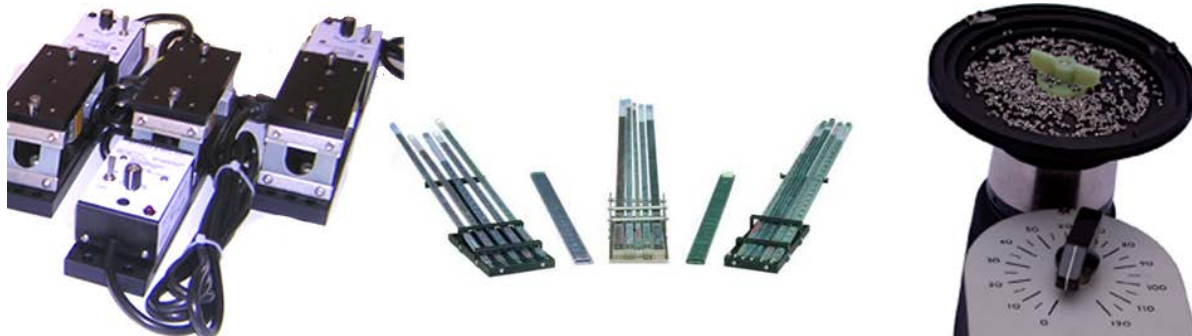


Feeding Solutions



US Vibra, LLC provides products and services for the manufacturing markets in Surface Mount Electronics, Aerospace, Medical, Computer and Contract Manufacturing Industries with a full line of standard products and Design Services for custom Component Handling Equipment.

US Vibra, LLC offers feeding solutions for virtually any Pick and Place Machine in today's market. Our modular design allows our customers to mix and match feeders, tooling and accessories to satisfy most production requirements.

Our systems are compatible with

Philips/Yamaha/Assembleon/Juki/Zevatech/Fuji/ Panasonic



Linear Delivery Systems

Linear drive units are ready to mount into an existing work envelope/pick-n-place machinery, re-work stations or wherever reliable parts delivery is required. Our self-contained units can be used with a wide range of standard platforms, accommodating multiple lanes of anti-static tubes. Nonstandard platforms are quoted upon request. All US Vibra, LLC systems are 100% guaranteed.

Vibratory Feeders and Machine Compatibility

Vibration of the In-Line Feeders are adjustable by utilizing amplitude and frequency controls.

CSM-100 110VAC

FI-CSM-100-24V

Philips/Yamaha/Assembleon Compatible Vibratory Feeders

FI-CSM-100

110 VAC Linear Feeder for Yamaha YS Series machines



FI-CSM-100-24V

24V Linear Feeder for Yamaha YS Series machines

CSM-100

110VAC Linear Vibra Feeder (All CSM series are machine compatible)

CSM-100-24V

24V Linear Vibra Feeder



Single Lane

CSM-125
CSM-125-24D

110V Tape-Width (Single Lane) Vibra Feeder
24V Single Lane Linear Vibra Feeder



JK-100
JK-100-MOD
JK-180
JK-100-A
JK-100-ADAPT

Placemat Feeder Base PM-150 (100VAC)
Modified Swiss Style PM-150) (100 VAC)
700 Series Feeder NSF (24VDC)
Placemat Feeder PM-150,24V, with base adapter latch
Placemat base adapter latch

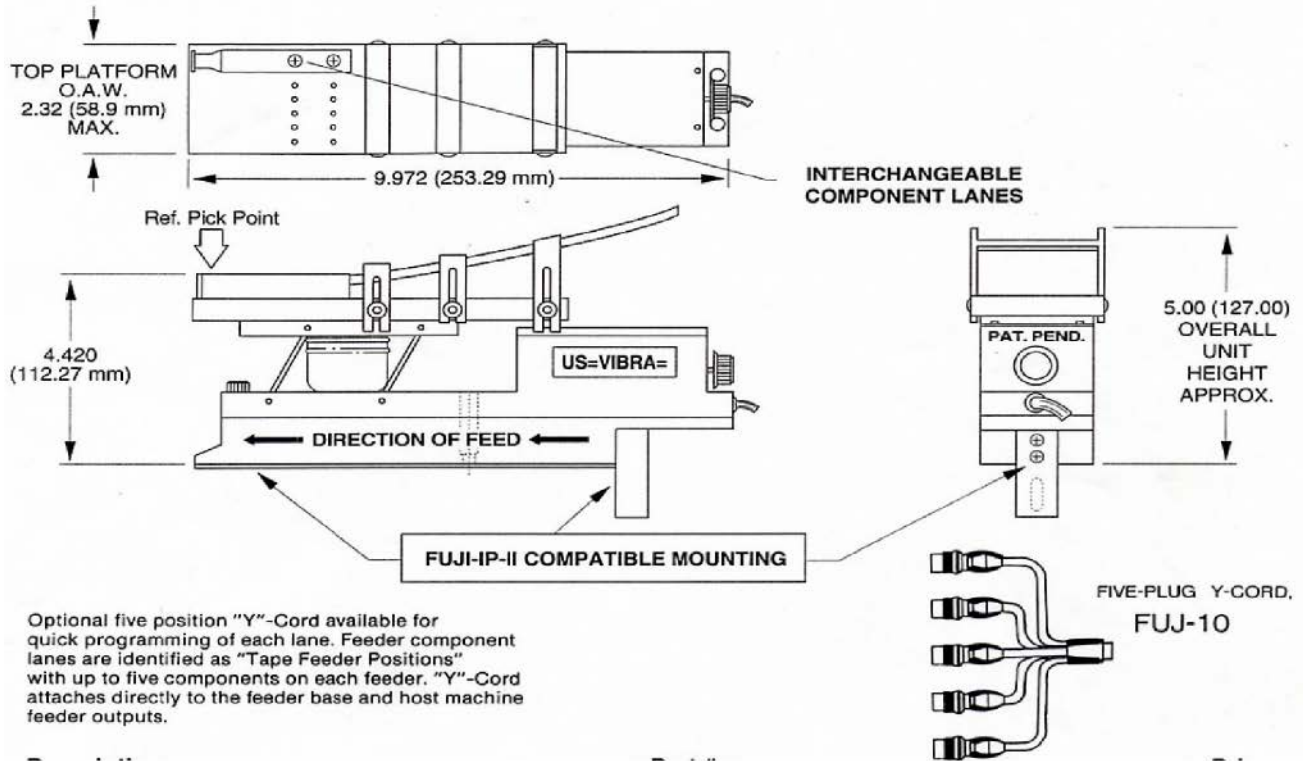
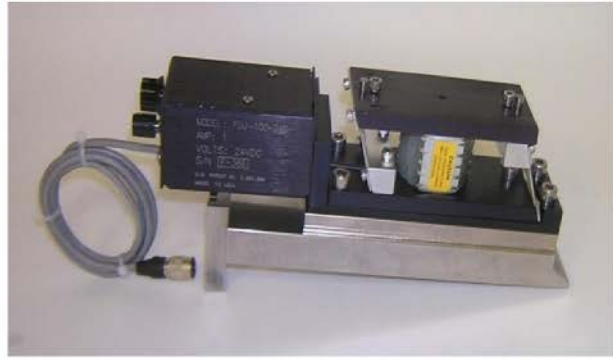
FUJI Compatible Vibratory Feeders

FUJ-100

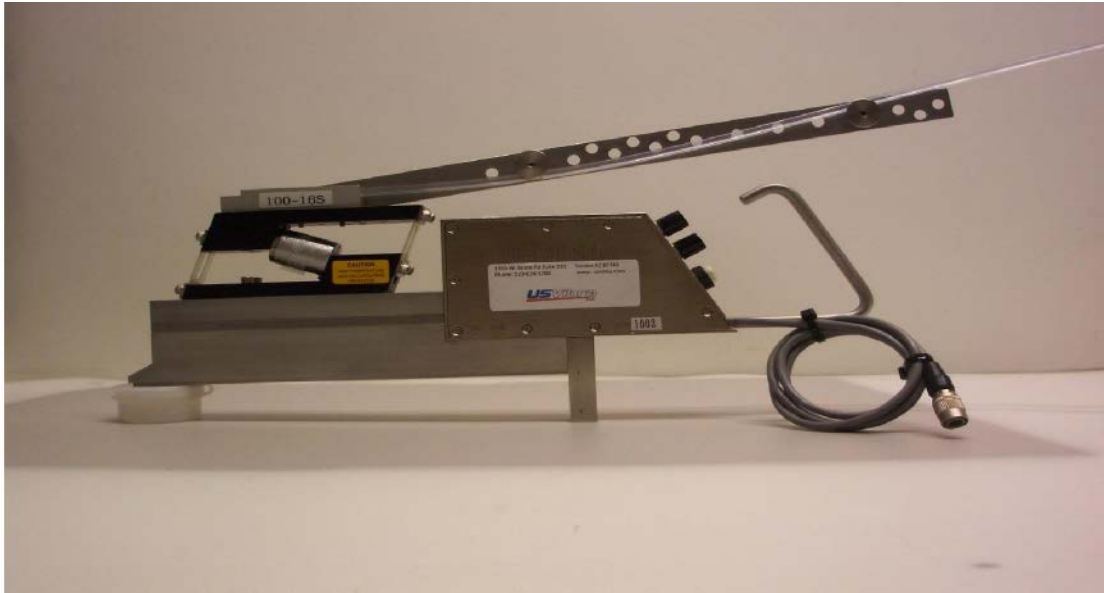
Linear feeder

FUJ-100-24D

FUJI Input feeder



FUJI Compatible Single lane



FUJ-9059B-A

Single Lane Linear feeder

Guide Lanes

Component	US VIBRA Part #	Component	US VIBRA Part #
SOIC-14/16	100-01S	SOIC-8	100-16S
SOLIC	100-05S	PLCC-52	100-17S
PLCC-20	100-08S	PLCC-100	100-18S
PLCC-28/32	100-09S	SOMC	100-19S
PLCC-18	100-11S	SOJ-28/32, 300 MIL	100-22S
PLCC-44	100-15S	SOJ-24/32, 400 MIL	100-23S
PLCC-68	100-13S	SOJ-36/44, 400 MIL	100-23S
PLCC-84	100-14S	SOJ-20/26 (DRAM)	100-12S

Stand Alone Units



TDS-042

Linear Drive

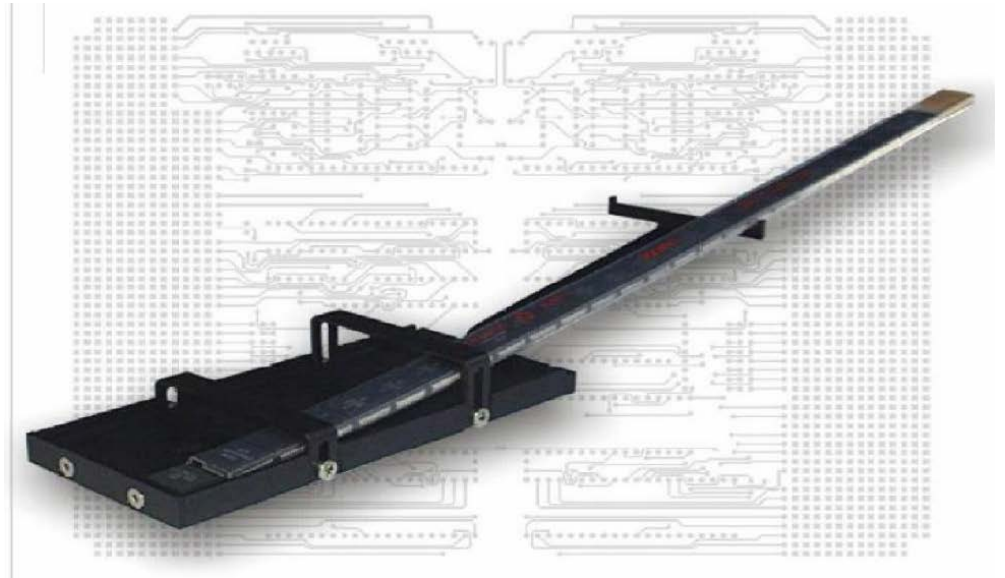
TDS-042 (110AC/24AC) (24DC)

Linear Drive (Unloader)

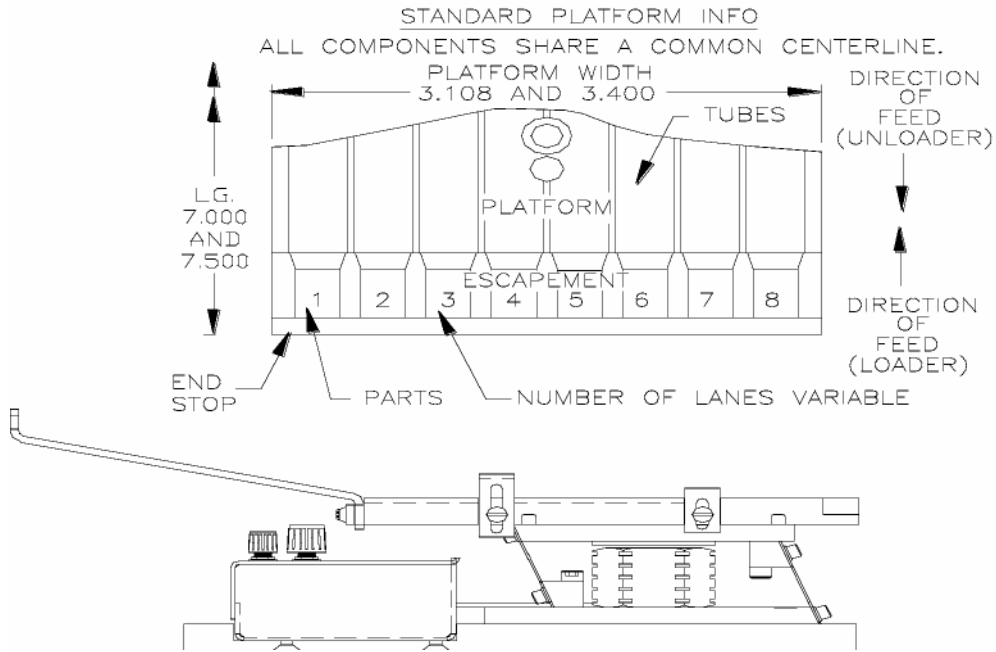
TDS-042MMDSMOD (110AC/24AC) (24DC)

Linear Drive (Loader) TDS-0408A
Miniature Linear Drive (Single)

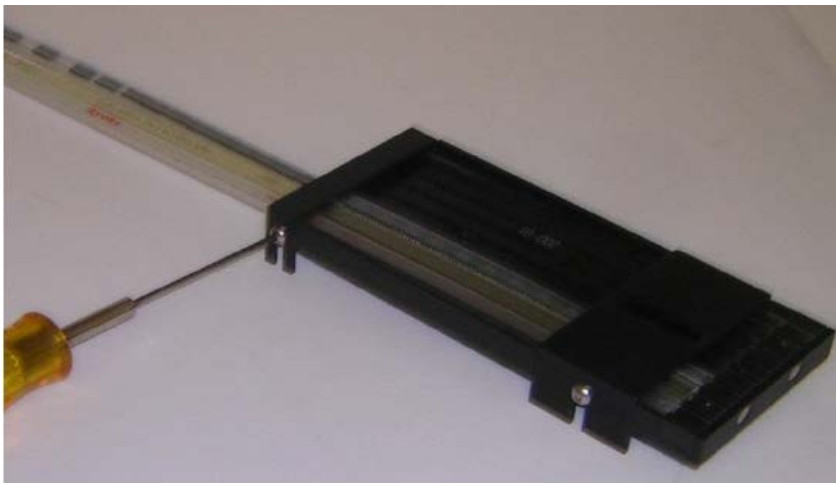




Ski-Slope Top Platforms are designed for use on all US Vibra In-Line Vibratory Feeders. We have a variety of component delivery platforms to fit your manufacturing needs. Our blank platforms have the greatest flexibility as they can feed a variety of component sizes. We also have platforms for multi-component applications, component specific platforms, as well as platforms for tube loading.



On an Unloader, the Escapement area on the platform is the area in which the component is placed for the pick and place machine to locate and pick up the part.



On the Loader, the Escapement area is where the component is placed to be loaded into the anti-static tubes.



Standard Platforms

If you do not see a specific component in our list of standard platforms, we can manufacture to your specific needs. Please contact us.

Component	US VIBRA Unloader Part #	US VIBRA Loader Part #	No. of Lanes
SOIC-8/14/16	300-01-P	200-01-P	8
SOIC-8/14/16 SOLIC- 16 PLCC-20 "Mixed"	300-02-P	200-02-P	6
SOLIC-16/20/28	300-05-P	200-05-P	5
PLCC-20	300-08-P	200-08-P	5
PLCC-28/32	300-09-P	200-09-P	5
PLCC-18	300-11-P	200-11-P	5
SOJ-20/26 (DRAM)	300-12-P	200-12-P	5
PLCC-68	300-13-P	200-13-P	2
PLCC-84	300-14-P	200-14-P	2
PLCC-44	300-15-P	200-15-P	3
SOIC-8	300-16-P	200-16-P	8
PLCC-52	300-17-P	200-17-P	3
PLCC-100	300-18-P	200-18-P	2
SOMC-14/16/20	300-19-P	200-19-P	6
SOJ-28/32, 300 MIL	300-22-P	200-22-P	5
SOJ-24/32 400 MIL	300-23-P	200-23-P	5
SOJ-36/44 400 MIL	300-24-P	200-24-P	5
SOMC-14	300-24-P	200-24-P	5
ADJUSTABLE ESCAPMENT PLATFORM	300-21-P	-	-
OPEN TUBE PLATFORM	300-25-P	200-25-P	-
8 PIN DIP	300-26-P	200-26-P	5
SOIC- 8 WIDE	300-27-P	200-27-P	6
SSOP-18	300-28-P	200-28-P	6
TSSOP 14/16	300-29-P	200-29-P	8
TSSOP-20	300-30-P	200-30-P	8
TSSOP-18	300-31-P	200-31-P	8
SSOP-20	300-32-P	200-32-P	6
TSSOP-24	300-33-P	200-33-P	8
TSSOP28	300-34-P	200-34-P	6

Standard Platforms for Single lane CSM-125

Component	US VIBRA Unloader Part #
SOIC-14/16	CSM-125-01P
SOLIC	CSM-125-05P
PLCC-20	CSM-125-08P
PLCC-28/32	CSM-125-09P
Blank Guidelane to be milled by customer	CSM-125-10P
PLCC-18	CSM-125-11P
SOJ-20/26 (DRAM)	CSM-125-12P
PLCC-68	CSM-125-13P
PLCC-84	CSM-125-14P
PLCC-44	CSM-125-15P
SOIC-8	CSM-125-16P
PLCC-52	CSM-125-17P
PLCC-100	CSM-125-18P
SOMC	CSM-125-19P
Special Guidelane manufactured to components & tubes supplied by customer.	CSM-125-XXP

Juki/ Zevatech Compatible Guide Lanes & Accessories

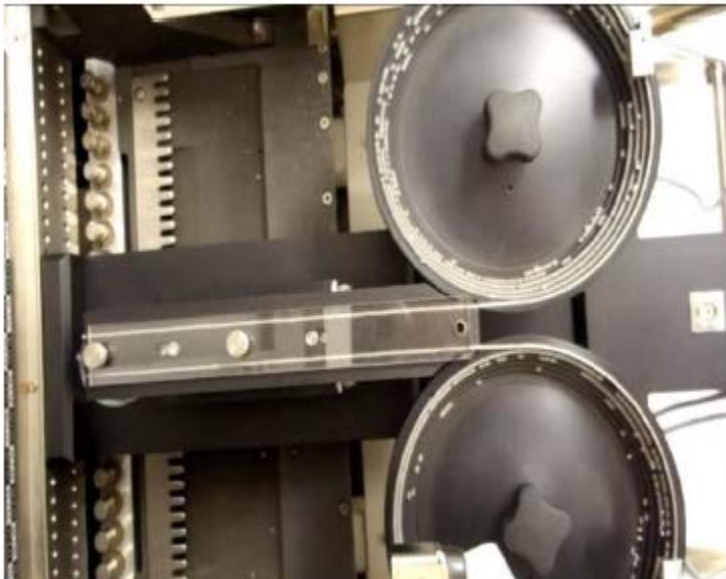
Component	US VIBRA Unloader Part #
SOLIC /No-Dispenser Guidelane PM150D/SOL	JK-102
SOIC/Dispenser Guidelane PM D150S/SOIC	JK-103
SOLIC/Dispenser Guidelane PM D150/SOL	JK-104
PLCC-18/No-Dispenser Guidelane PM150D/PLCC-18	JK-105
PLCC-18/DISPENSER GUI DELANE PMD150D/PLCC-18	JK-106
PLCC-20/NO-DISPENSER GUI DELANE PM 150D/PLCC-20	JK-107
PLCC-20/DISPENSER PMD150D/PLCC-20	JK-108
PLCC-28/32/NO-DISPENSER GUI DELANE PM150D/PLCC-28/32	JK-109
PLCC-28/32/DISPENSER GUIDELANE PM150D/PLCC-28/32	JK-110
PLCC-44/NO-DISPENSER GUI DELANE PM150D/PLCC-44	JK-111
PLCC-44/DISPENSER GUIDELANE PMD150D/PLCC-44	JK-112
PLCC-52/NO-DISPENSER GUI DELANE PM150D/PLCC-52	JK-113
PLCC-52/DISPENSER GUI DELANE PMD150D/PLCC-52	JK-114
PLCC-68/NO-DISPENSER GUI DELANE PM150T/PLCC-68	JK-115
PLCC-68/DISPENSER GUI DELANE PMD150T/PLCC-68	JK-116
SOIC-8/NO-DISPENSER GUIDELANE PM 150S/SOIC-8	JK-117
SOIC-8/DISPENSER GUIDELANE PMD150S/SOIC-8	JK-118
PLCC-84/NO-DISPENSER GUI DELANE PM150T/PLCC-84	JK-119
SOJ-20/26 DISPENSER GUIDELANE PMD150D/SOJ(D-RAM)	JK-120
SOJ-20/26/NO-DISPENSER GUIDELANE PM150D/SOJ (D-RAM)	JK-197
PLCC-84/DISPENSER GUI DELANE PMD150T/PLCC-84	JK-159
SOMC/DISPENSER GUIDELANE PMD150D/SOMC	JK-176
SOIC 4-TRACK GUIDELANE ESF-SOIC	JK-121
SOIC-8 4-TRACK GUIDELANE ESF-SOIC-8	JK-194
SOLIC 3-TRACK GUIDELANE ESF-SOLIC	JK-125
SOJ-20/26 3-TRACK GUIDELANE ESF-SOJ (D-RAM)	JK-130
PLCC-28/32 2-TRACK GUIDELANE ESF-PLCC-28/32	JK-133
PLCC-20 3-TRACK GUIDELANE ESF-PLCC-20	JK-136
PLCC-44 2-TRACK GUIDELANE ESF-PLCC-44	JK-138
PLCC-52 2-TRACK GUIDELANE ESF-PLCC-52	JK-141
PLCC-84 1-TRACK GUIDELANE ESF-PLCC-84	JK-144
PLCC-100 1-TRACK GUIDELANE ESF-PLCC-100	JK-147
PLCC-18 4-TRACK GUIDELANE ESF-PLCC-18	JK-150
SPECIAL LANES MFG. TO SAMPLES & TUBES SUPPLIED	JK-XXX

Vibratory Bowl Feeders

US Vibra, LLC Vibratory bowl feeders utilize vibration to sort and orient parts for automation processes. Bowl feeder systems consist of a bowl with an internal track mounted on top of a rotary drive unit that provides the feeding action.

A vibratory bowl feeder does not solely depend upon vibration to feed, sort and orient the product, but also used are gravity, compressed air as well as mechanical and stationary devices. Once the product is fed up the track and prepared to exit the bowl, it can be delivered directly to the pick point from the bowl or transitioned onto a linear drive and carried to a remote point or to other equipment. The linear feeders utilize a vibratory unit with trays or tracks to carry the product to its destination.

Our Bowl Feeders are custom built to your component for its size, weight, shape, orientation and delivery point requirements.



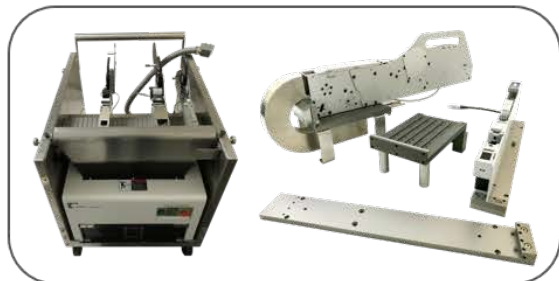
Our Product Portfolio



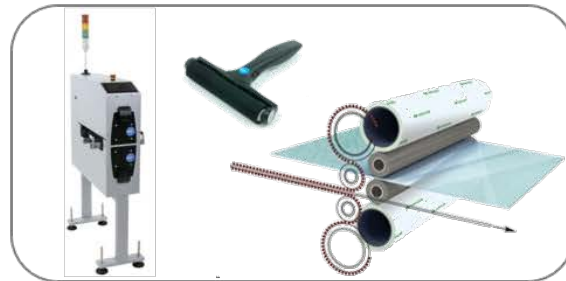
Feeding Technology



Label Feeder, Labels and Marking Solutions



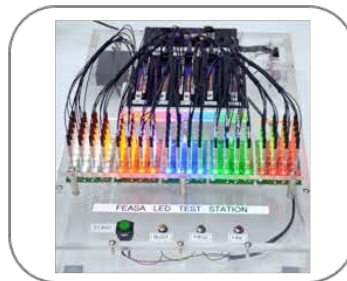
Special Applications



Bare Board Cleaning



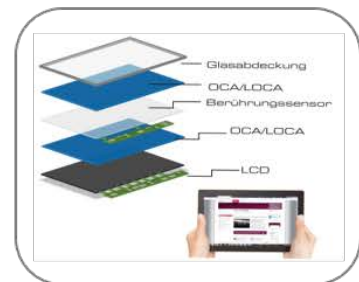
In-System Programming



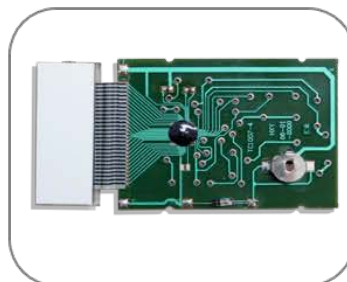
LED Analysis



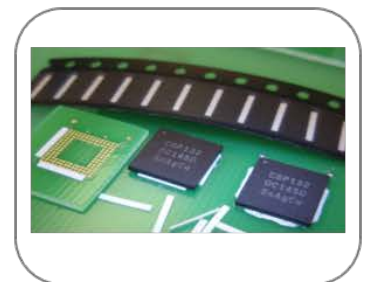
Reflow Inline Camera



Optical Bonding



Thermal Bonding



Place-N-Bond