

Recommended FlexFactory Product

AnyFeeder

Feeding bulk parts for alignment and assembly

- Flip, forward, and backward for easy pickup by robot in combination with vision
- Pickup after flipping parts to identify front or rear
- Easy configuration of AnyFeeder, vision, and robots using wizards in ACE software
- Flexible feeding of various parts registered in Recipe Manager in ACE software
- Available with all models of SCARA, articulated, and parallel robots



Ordering Information

Product Name		SXM-100	SXM-140
FlexFactory model		900-001-161	900-001-162
Omron base model		09725-500 *	18819-500 *
Alternative models with integrated backlight	IR	09725-501 *	18819-501 *
	Red	09725-502 *	18819-502 *
Field of Vision		100 x 134 mm	140 x 193 mm
Suitable for Parts	Material	Metal, Plastic, Glass (Stable)	Metal, Plastic, Glass (Stable)
	Main dimensions	< 30 mm	< 45 mm
	Thickness	> 0.15 mm	> 0.15 mm
	Weight	< 15 g	< 25 g
Maximum Weight in Field of Vision		500 g	500 g
Maximum Weight in Bulk Container		3kg	5kg
Connections	Electrical	1	1
	Pneumatic	-	-
	Serial	1	1
Weight		18 kg	22 kg
Power Requirements		24 VDC 10 A	24 VDC 10 A
Typical Power Usage		100 W (usage dependent)	100 W (usage dependent)
Air Requirements		-	-
Drivers		2 brushless servomotors 130 W	2 brushless servomotors 130 W
Data interface		RS232 (D-SUB 9 connector)	RS232 (D-SUB 9 connector)
Environmental Requirements	Temperature	5 - 45°C	5 - 45°C
	Humidity	5 - 90% (non-condensing)	5 - 90% (non-condensing)
Materials of construction: Main unit, Bulk Container, Feeder platform and surface border		Stainless Steel 1.4301 (304)	Stainless Steel 1.4301 (304)

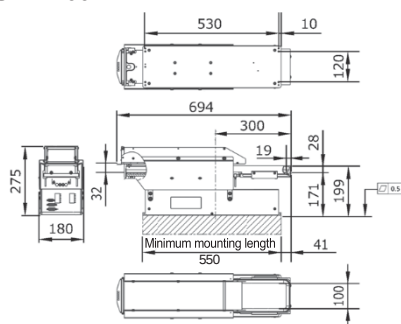
Product Name		SX-240	SX-340
FlexFactory model		900-001-164	900-001-165
Omron base model		12480-500 *	14269-500 *
Alternative models with integrated backlight	IR	12480-501 *	14269-501 *
	Red	12480-502 *	14269-502 *
Field of Vision		240 x 320 mm	340 x 453 mm
Suitable for Parts	Material	Metal, Plastic, Glass (Stable)	Metal, Plastic, Glass (Stable)
	Main dimensions	< 75 mm	< 110 mm
	Thickness	> 0.5 mm	> 0.5 mm
	Weight	< 60 g	< 80 g
Maximum Weight in Field of Vision		1500 g	1500 g
Maximum Weight in Bulk Container		10kg	12kg
Connections	Electrical	1	1
	Pneumatic	1	1
	Serial	1	1
Weight		50 kg / 110 lb	55 kg / 121 lb
Power Requirements		24 VDC 10 A	24 VDC 10 A
Typical Power Usage		100 W (usage dependent)	100 W (usage dependent)
Air Requirements		6 bar / 87 psi, compressed air, filtered, unlubricated	6 bar / 87 psi, compressed air, filtered, unlubricated
Drivers		2 brushless servomotors 130 W	2 brushless servomotors 130 W
Data interface		RS232 (D-SUB 9 connector)	RS232 (D-SUB 9 connector)
Environmental Requirements	Temperature	5 - 45°C	5 - 45°C
	Humidity	5 - 90% (non-condensing)	5 - 90% (non-condensing)
Materials of construction: Main unit, Bulk Container, Feeder platform and surface border		Stainless Steel 1.4301 (304)	Stainless Steel 1.4301 (304)

* Power Cable, AnyFeeder, 5m and RS232 Cable, AnyFeeder, 4.5m are provided with the AnyFeeder.

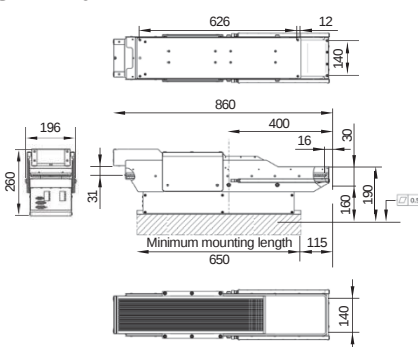
Dimensions

(Unit: mm)

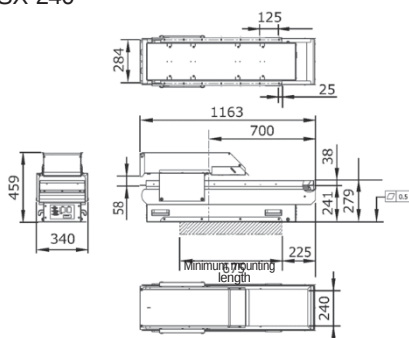
SXM-100



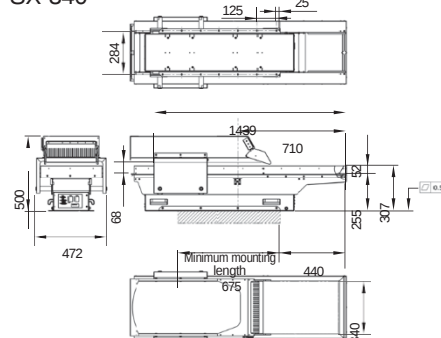
SXM-140



SX-240



SX-340



Options

Type	Name/Specifications	FlexFactory model	Omron model
Backlight	Backlight - IR 875 nm, SXM100	900-000-072	09725-202
	Backlight - Red 630 nm, SXM100	900-000-367	09725-201
	Backlight - IR 875 nm, SXM140	900-000-215	14630-000
	Backlight - Red 630 nm, SXM140	900-000-346	14630-001
	Backlight - IR 875 nm, SX240	900-000-158	05284-208
	Backlight - Red 630 nm, SX240	900-000-238	05284-206
	Backlight - IR 875 nm, SX340	900-000-235	14269-001
	Backlight - Red 630 nm, SX340	900-000-373	14269-002
Surface	Surface, POM-C, Flat, Light Brown, ESD, SXM100	007-001-679	09725-104
	Surface, POM-C, Flat, Black, SXM100 (Not available with backlight)	003-562-000	09725-102
	Surface, POM-C, Flat, Black, ESD, SXM100 (Not available with backlight)	007-001-357	09725-103
	Surface, POM-C, Flat, White, SXM100	002-290-000	09725-101
	Surface, POM-C, Flat, Light Brown, ESD, SXM140	007-001-012	09725-303
	Surface, POM-C, Flat, Black, SXM140 (Not available with backlight)	004-931-000	09725-302
	Surface, POM-C, Flat, White, SXM140	003-965-100	09725-301
	Surface, PVC, Flat, Light Gray, SXM140 (Not available with backlight)	007-001-359	09725-304
	Surface, POM-C Flat, Light Brown, ESD, SX240	007-001-046	05284-103
	Surface, POM-C, Flat, Black, SX240 (Not available with backlight)	001-821-000	05284-102
	Surface, POM-C, Flat, Black, ESD, SX240 (Not available with backlight)	007-001-794	05284-104
	Surface, POM-C, Flat, White, SX240	001-820-000	05284-101
	Surface, PVC, Flat, Gray, SX240 (Not available with backlight)	005-434-000	05284-105
	Surface, POM-C Flat, Light Brown, ESD, SX340	007-001-791	14269-005
	Surface, POM-C, Flat, Black, SX340 (Not available with backlight)	005-386-000	14269-004
	Surface, PVC, Flat, Light Gray, SX340 (Not available with backlight)	007-001-295	14269-006
	Surface, POM-C, Flat, White, SX340	004-439-000	14269-003
Others	ESD Option, SX240	900-000-241	05284-204
	Filter, Daylight, M27 x 5	-	09324-000

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