

s|tower[®]
Safe and smart storage solutions

**Tower
Factory**



s|tower[®]
Various 930

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Specification s|tower® Various 930

Storing system for electronic components	
SMD reels	Diameter 7" – 15" / belt width 8 mm – 72 mm
SmartCarrier boxes	180 mm – 390 mm square / high 30 mm – 78 mm
Maximum reel capacity	930 reels 7" / 8 mm – 15" / 32 mm belt width
Cycle time	4 reels/min
Controlled environment	≤ 5% rF
Automated barcode processing	1D and 2D (FoV 230 x 270 mm)
Automated package registration	7" – 15" / 8 – 56 mm
Individuel configurable and expandable	belt width, diameter and number units

Hardware	MASES Software
S-Tower 7" – 15" / 8 mm – 72 mm	Material and Storing Enterprise System
SPS with interchangeable memory	Component management
PC with touch panel	SQL Database
CAN-Bus technologie	Programming in .Net / C#
Automated barcode and package registration (Option)	User management
Status light (option)	Traceability management
Short way random storage	Backup management
Datalogger rH / °C (option)	Inventory monitoring
MSD-storage humidity controlled	Production scheduling
ESD conform powder coating	File Transfer Interface (ASCII data)
Terminal with safety lock (automated as option)	WeService Interface (option)
Working load 5 kg	SAP Interface (option)

Technical data and system requirement Various 930	
Dimension (W x D x H)	1467 mm x 1584 mm x 3060 mm
Weight (without cassettes)	490 kg
Power supply	200 – 230 V / 50 – 60 Hz / 250 W
Network	Ethernet / LAN
DryFlow-Unit sensor controlled	≤ 5% rF / 250 – 2000 W
Basic PC for MASES Master Software	Win 10 Pro / USB Ethernet / LAN

Technical data s|tower® basic configuration

Configuration 7" – 15" / 8 mm – 56 mm reels					
reel type	cassettes/ tower	slots/ cassette	SmartCarrier*/ cassette	slots/ tower	reels capacity
8 mm / 7"	8	15	-	120	502
12 mm / 7"	2	13	-	26	
16 mm / 7"	1	10	-	10	
24 mm / 7"	1	8	8	8	
8 mm / 13"	13	15	-	195	
12 mm / 13"	4	13	-	52	
16 mm / 13"	4	10	-	40	
24 mm / 13"	3	8	8	24	
32 mm / 13"	0	6	6	0	
44 mm / 13"	0	5	5	0	
56 mm / 13"	0	4	4	0	
32 mm / 15"	3	6	6	18	
44 mm / 15"	1	5	5	5	
56 mm / 15"	1	4	4	4	

*SmartCarrier box (option)

Technical data s|tower® maximum reels capacity

Configuration 7" / 8 mm and 15" / 32 mm – 56 mm reels					
reel type	cassettes/ tower	slots/ cassette	SmartCarrier*/ cassette	slots/ tower	reels capacity
8 mm / 7"	60	15	-	900	930
12 mm / 7"	0	13	-	0	
16 mm / 7"	0	10	-	0	
24 mm / 7"	0	8	8	0	
8 mm / 13"	0	15	-	-	
12 mm / 13"	0	13	-	-	
16 mm / 13"	0	10	-	-	
24 mm / 13"	0	8	8	-	
32 mm / 13"	0	6	6	-	
44 mm / 13"	0	5	5	-	
56 mm / 13"	0	4	4	-	
32 mm / 15"	5	6	6	30	
44 mm / 15"	0	5	5	0	
56 mm / 15"	0	4	4	0	

*SmartCarrier box (option)

Technical data s|tower® SmartCarrier (optional accessory)

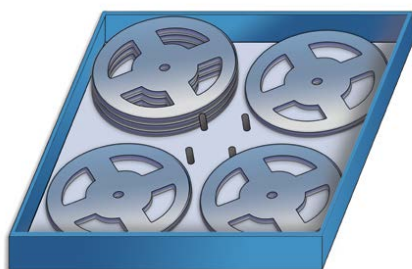
Configuration 7"/ 8 mm reels in SmartCarrier box 15"

Maximum reel capacity 8 mm reels with 7" cassettes and SmartCarrier box 15"

reel type	cassettes/ tower	slots/ cassette	reels/ SmartCarrier box	slots/ tower	reels capacity SmartCarrier box	reels capacity
8 mm / 7"	60	15	-	900	400*	1300
56 mm / 13"	-	4	-	-		
56 mm / 15"	5	4	20	20		

*Application for SmartCarrier box

e.g. cassette 56 mm/15" with 20 x 7"/8 mm reels per SmartCarrier box = 80 reels/cassette



4 x 7" reels
in 15" SmartCarrier box

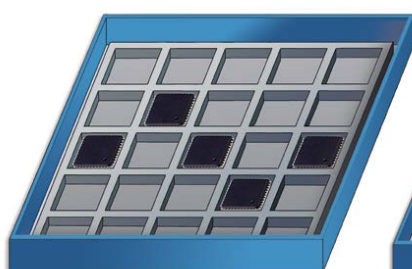


2 x 7" reels
in 13" SmartCarrier box

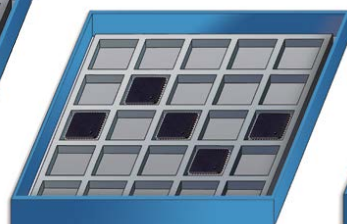
SmartCarrier boxes

reel type	effective depth of box/mm	8 mm/ 7" reels*	8 mm/ 13" reels*	15" reels	JEDEC-Trays (Thin)
24 mm / 7"	33	3	-	-	-
24 mm / 13"	33	4	2	-	6
24 mm / 15"	33	8	2	yes	6*
32 mm / 13"	46	6	3	-	8
32 mm / 15"	46	12	3	yes	8*
44 mm / 13"	59	8	4	-	10
44 mm / 15"	59	16	4	yes	10*
56 mm / 13"	78	10	5	-	12
56 mm / 15"	78	20	5	yes	12*

*Application for SmartCarrier box



JEDEC trays
in 15" SmartCarrier box



JEDEC trays
in 13" SmartCarrier box



15" reel
in 15" SmartCarrier box



13" reel
in 13" SmartCarrier box