

SUP PLI ES

Soldering Machines 2026

Selective soldering
nozzles, lubricants
& cleaning products,
fluxes, solder bath
maintenance, fluxer
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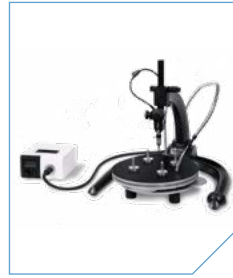


PORTFOLIO



Selective Soldering Systems

With state-of-the-art technology and a modular design, Erska selective soldering systems meet the highest demands for flexibility and throughput. With the VERSA-FLOW series and ECOSELECT batch systems, Erska, as a market leading technology provider, offers the right system for every requirement and every budget.



Optical Inspection Systems

For over 20 years, users have benefited from the ability to inspect hidden solder joints non-destructively. Whether inspecting under ball grid arrays (BGA) or in areas where other microscopes reach their limits, ERSASCOPE technology adds significant value to any quality assurance program.



Wave Soldering Systems

Erska POWERFLOW systems are suitable for every customer requirement—from high-end full-tunnel protective gas soldering systems to open atmospheric wave soldering systems. Each system is designed for stable processes and reproducible parameters with impressive values in terms of availability, cost-effectiveness, and quality, enabling all soldering tasks to be completed efficiently and flexibly.



Soldering and Desoldering Stations

Erska soldering and desoldering stations impress with their compact dimensions, high performance, energy efficiency, and low operating costs, as they use inexpensive replacement tips. The i-CON TRACE is the world's first fully networkable soldering station that makes the entire manual soldering process traceable and documentable.



Reflow Soldering Systems

The HOTFLOW THREE opens a new chapter in the long success story of Erska reflow soldering systems, of which there are more than 5,000 HOTFLOW soldering systems: Over the past 20 years, more than 5,000 HOTFLOW systems have been installed worldwide. A clear statement for even higher quality in soldering—with precise soldering profiles, minimal maintenance, and lowest consumption values.



Solder fume extraction

Erska solder fume extraction systems ensure a healthy working environment. Super-quiet operation, low noise emissions. Adaptable to different working environments. Standby mode for efficient, material-friendly use. Easy maintenance and servicing.



Pressfit Technology

The Erska VERSAFIT series offers an alternative connection technology to soldering in electronics production. Press-fit connections are characterized by low contact resistance and high reliability, making them particularly interesting for use in the manufacturing of power electronics.



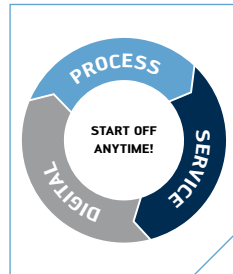
Rework Systems

With a strong price-performance ratio and patented IR and hybrid technology, Erska rework systems have positioned themselves at the top of the market. Even with the most demanding SMT/BGA rework applications, they deliver repeatable, best-in-class results. Erska rework systems stand for successful rework from the very first process.



Line Automation

As a system supplier, Erska offers comprehensive solutions for electronics manufacturing. Smart line automation enables customers to make optimal use of their equipment's potential. Intelligently networked configurations offer maximum efficiency and the highest quality with consistently high utilization and significantly increased throughput.



Seminars and Trainings

Benefit from our machines and our expertise: Erska offers a comprehensive range of workshops, seminars, and training courses in all areas of soldering. All courses include theoretical and practical units. You want to join? Do it, here at Erska, on site in your production, or online with our eLearning system!



KE CONNECT

With Kurtz Erska CONNECT, we offer you a modular platform that intelligently networks your production facilities and increases the efficiency of your processes. Our solution adapts flexibly to your needs and supports you and your employees in the future-proof digitalization of your production.



Sales and Service Network

Our service engineers are on call around the clock worldwide to respond to our customers' needs and requests. Our global service network consists of over 85 service employees, more than 79 agencies with their own service teams, and spare parts warehouses.

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NOZZLE OVERVIEW MATRIX

Nozzle overview for solder pot B22

PLEASE NOTE: At a nozzle height of over 47 mm a consultation with Erska is recommended. | H= nozzle height

möglicher z-Hub (mm)		H=47	H=52	H=57	H=62	H=65	H=75	H=80	H=85	H=90
Frame	SMARTFLOW	60	55	50	45	42	32			
	ECOSELECT 1	60	55	50	45	42	32	27	22	17
	ECOSELECT 1, z-variabel	30	25	20						
Roller conveyor	ECOCCELL	60	55	50	45	42	32	27	22	
	ECOCCELL, z-variabel	30	25	20						
	VERSAFLOW 3	60	55	50	45	42	32	27	22	
	VERSAFLOW 3, z-variabel	30	25	20						
	ECOSELECT 4	60	55	50	45	42	32	27	22	
	VERSAFLOW 4	60	55	50	45	42	32	27	22	
	VERSAFLOW ONE	80	75	70	65	62	52	47	42	
	VERSAFLOW FIVE	90	85	80	75	72	62	57	52	
Chain conveyor	ECOSELECT 2	60	55	50	45	42	32			
	ECOSELECT 2, z-variabel	30	25	20						
	ECOCCELL	60	55	50	45	42	32			
	ECOCCELL, z-variabel	30	25	20						
	VERSAFLOW ONE	80	75	70	65	62	52	47	42	37

Further intermediate sizes and/or special sizes on request.

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further information online:

Note for systems with nozzle changer (VERSAFLOW FIVE)

Gassing cap 392163 (D28) is mandatory when using the nozzle changer.

The following soldering nozzles must be used with gassing cap 392163 (D28):

Outer diameter: min. 4.5 mm, max. 16 mm; max. nozzle length: 62 mm

Suitable gassing cap for the respective nozzle size:

242715 (D24)	392163* (D28)	242746 (D34)	252131 (D42)	ID / AD	H=47	H=52	H=57	H=62	H=65	H=75	H=80	H=85	H=90
■	■			2.0/4.5	213510								
■	■			2.4/5.0	296767					300041			
■	■			2.7/5.5	296788								
■	■			3.5/5.6								229921	
■	■			3.0/6.0	114609	289012	130964	199983		216347	278549	278550	
■	■			3.5/7.0	256501						213419	229923	
■	■			4.0/8.0	114611	300889	189478	199985	135253	206293	251318	316185	197665
■	■			5.0/9.0	152894								
■	■			6.0/10.0	114613		189479	199984		206294	251319	316198	314957
■	■			8.0/12.0	118615		203778	197404		235693	211314		314953
	■	■		10.0/14.0	119274 / 257563		320491		366295	251316	211315		
	■	■		12.0/16.0	208094								
		■		14.0/18.0	190959								
		■		16.0/20.0	245562 / 263686								
		■		18.0/20.0	134354								
			■	18.0/22.0	255046								
			■	21.0/25.0	260489 / 263020								
			■	23.0/25.0	239623								
			■	25.0/29.0	245561 / 263514								
			■	28.0/32.0	248298								
			■	31.0/35.0	255975 / 263689								

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NOZZLES Selective Soldering

Finger Conveyor = (M)
 Roller Conveyor = (R)
 Pin-and-Chain Conveyor = (K)

	max. nozzle height	variable z-axis		max. nozzle height	variable z-axis
ECOSELECT 1	≤ 90 mm (M)	≤ 57 mm (M)	VERSAFLOW 3	≤ 85 mm (R)	≤ 57 mm (R)
ECOSELECT 2	≤ 75 mm (K)	≤ 57 mm (K)	VERSAFLOW 4	≤ 85 mm (R)	≤ 85 mm (R)
ECOSELECT 4	≤ 85 mm (R)	≤ 85 mm (R)	VERSAFLOW ONE	≤ 80 mm (K/R)	≤ 80 mm (K/R)
ECOCCELL	≤ 85 mm (R, K)	≤ 57 mm (R, K)	VERSAFLOW FIVE	≤ 85 mm (R)	≤ 90 mm (R)
SMARTFLOW	≤ 75 mm (M)	-----			

Height 47 mm, B22, VERSA®EXTENT

S NOZZLE 4.0/8.0 H=47 B22	S NOZZLE 3.0/6.0 H=47 B22	S NOZZLE 6.0/10.0 H=47 B22	S NOZZLE 8.0/12.0 H=47 B22
426509 1 Pc.	426480 1 Pc.	426514 1 Pc.	428646 1 Pc.

Height 47 mm, B22

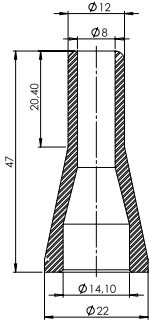
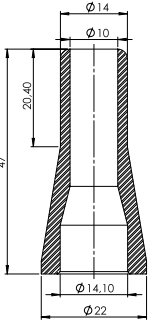
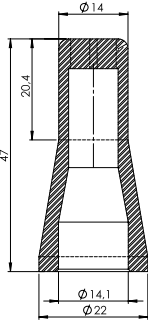
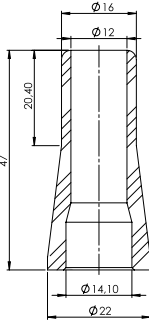
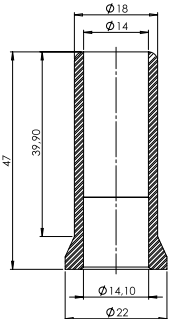
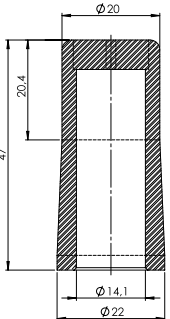
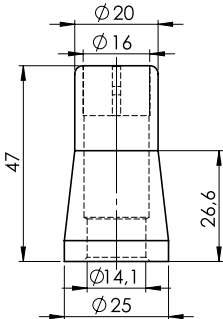
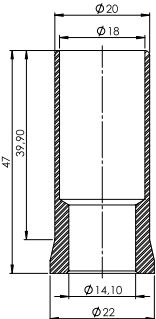
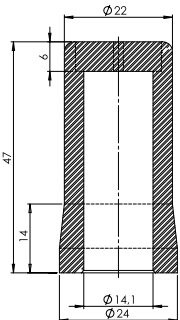
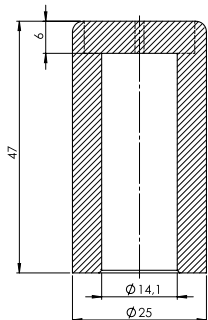
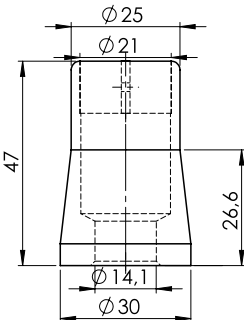
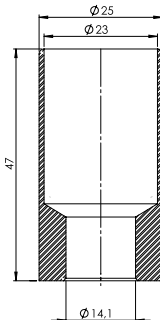
S NOZZLE 2.0/4.5, H=47, B22	S NOZZLE 2.4/5.0, H=47, B22	S NOZZLE 2.7/5.5, H=47, B22	S NOZZLE 3.0/6.0, H=47, B22
213510 1 Pc.	296767 1 Pc.	296788 1 Pc.	114609 1 Pc.
S NOZZLE 3.5/7.0, H=47, B22	S NOZZLE 4.0/8.0, H=47, B22	S NOZZLE 5.0/9.0, H=47, B22	S NOZZLE 6.0/10.0, H=47, B22
256501 1 Pc.	114611 1 Pc.	152894 1 Pc.	114613 1 Pc.

NOZZLES *Selective Soldering*

Finger Conveyor = (M)
 Roller Conveyor = (R)
 Pin-and-Chain Conveyor = (K)

	max. nozzle height	variable z-axis		max. nozzle height	variable z-axis
ECOSELECT 1	≤ 90 mm (M)	≤ 57 mm (M)	VERSAFLOW 3	≤ 85 mm (R)	≤ 57 mm (R)
ECOSELECT 2	≤ 75 mm (K)	≤ 57 mm (K)	VERSAFLOW 4	≤ 85 mm (R)	≤ 85 mm (R)
ECOSELECT 4	≤ 85 mm (R)	≤ 85 mm (R)	VERSAFLOW ONE	≤ 80 mm (K/R)	≤ 80 mm (K/R)
ECOCCELL	≤ 85 mm (R, K)	≤ 57 mm (R, K)	VERSAFLOW FIVE	≤ 85 mm (R)	≤ 90 mm (R)
SMARTFLOW	≤ 75 mm (M)	-----			

Height 47 mm, B22

S NOZZLE 8.0/12.0, H=47, B22  118615 1 Pc.	S NOZZLE 10.0/14.0, H=47, B22  119274 1 Pc.	S NOZZLE 10.0/14.0, H=47, B22, CROSS  257563 1 Pc.	S NOZZLE 12.0/16.0, H=47, B22  208094 1 Pc.
S NOZZLE 14.0/18.0, H=47, B22  190959 1 Pc.	S NOZZLE 16.0/20.0, H=47, B22, CROSS  245562 1 Pc.	S NOZZLE 16.0/20.0, H=47, B25, CROSS  263686 1 Pc.	S NOZZLE 18.0/20.0, H=47, B22  134354 1 Pc.
S NOZZLE 18.0/22.0, H=47, B22, CROSS  255046 1 Pc.	S NOZZLE 21.0/25.0, H=47, B22, CROSS  260489 1 Pc.	S NOZZLE 21.0/25.0, H=47, B22, CROSS  263020 1 Pc.	S NOZZLE 23.0/25.0, H=47, B22  239623 1 Pc.

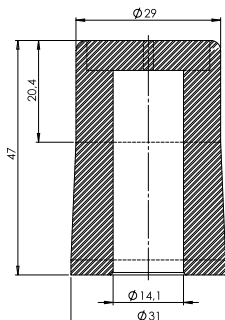
NOZZLES Selective Soldering

Finger Conveyor = (M)
 Roller Conveyor = (R)
 Pin-and-Chain Conveyor = (K)

	max. nozzle height	variable z-axis		max. nozzle height	variable z-axis
ECOSELECT 1	≤ 90 mm (M)	≤ 57 mm (M)	VERSAFLOW 3	≤ 85 mm (R)	≤ 57 mm (R)
ECOSELECT 2	≤ 75 mm (K)	≤ 57 mm (K)	VERSAFLOW 4	≤ 85 mm (R)	≤ 85 mm (R)
ECOSELECT 4	≤ 85 mm (R)	≤ 85 mm (R)	VERSAFLOW ONE	≤ 80 mm (K/R)	≤ 80 mm (K/R)
ECOCCELL	≤ 85 mm (R, K)	≤ 57 mm (R, K)	VERSAFLOW FIVE	≤ 85 mm (R)	≤ 90 mm (R)
SMARTFLOW	≤ 75 mm (M)	-----			

Height 47 mm, B22

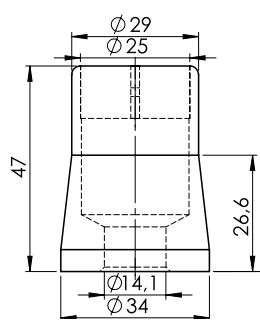
S NOZZLE 25.0/29.0, H=47, B22, CROSS



245561

1 Pc.

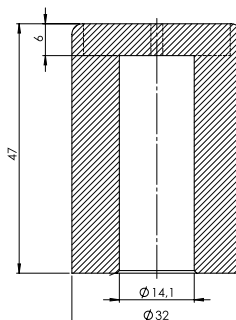
S NOZZLE 25.0/29.0, H=47, B34, CROSS



263514

1 Pc.

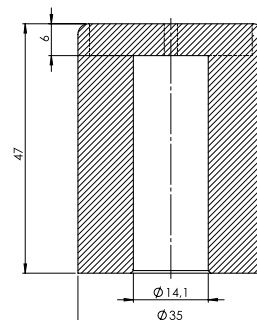
S NOZZLE 28.0/32.0, H=47, B22, CROSS



248298

1 Pc.

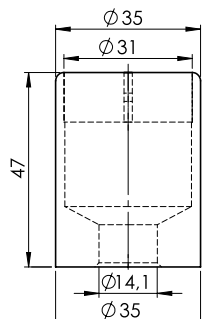
S NOZZLE 31.0/35.0, H=47, B22, CROSS



255975

1 Pc.

S NOZZLE 31.0/35.0, H=47, B22, CROSS



263689

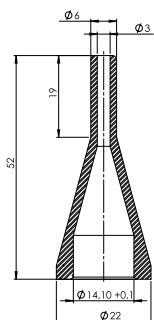
1 Pc.

PLEASE NOTE:

At a nozzle height of over 47 mm a consultation with Erska is recommended

Height 52 mm, B22

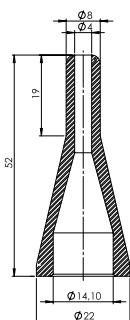
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289012

1 Pc.

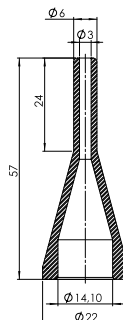
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300889

1 Pc.

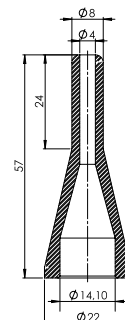
S NOZZLE 3.0/6.0, H=57, B22



130964

1 Pc.

S NOZZLE 4.0/8.0, H=57, B22



189478

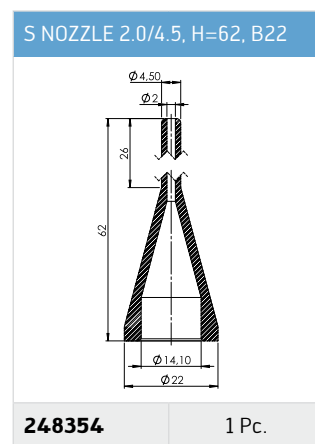
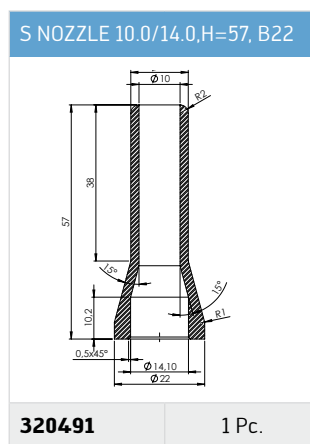
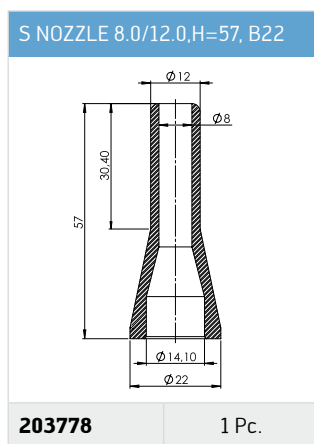
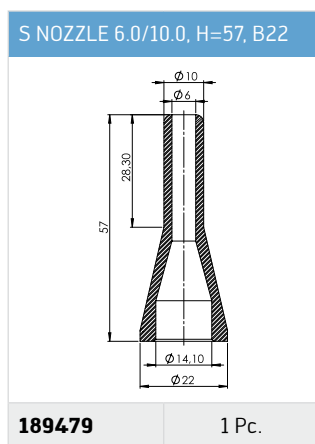
1 Pc.

NOZZLES *Selective Soldering*

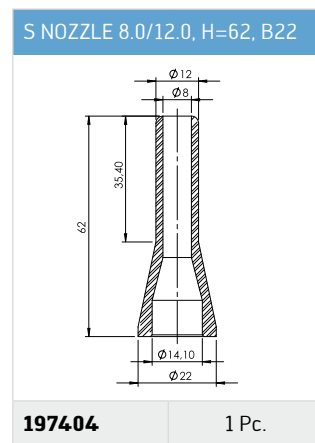
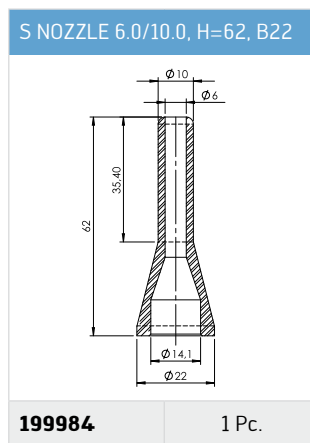
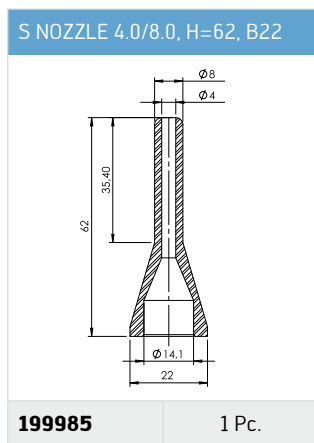
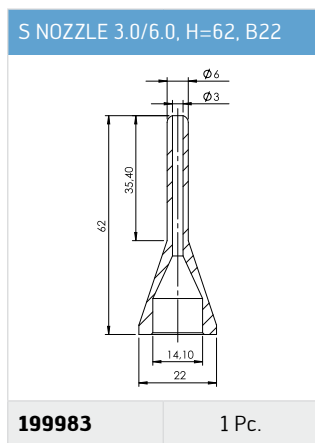
Finger Conveyor = (M)
 Roller Conveyor = (R)
 Pin-and-Chain Conveyor = (K)

	max. nozzle height	variable z-axis		max. nozzle height	variable z-axis
ECOSELECT 1	≤ 90 mm (M)	≤ 57 mm (M)	VERSAFLOW 3	≤ 85 mm (R)	≤ 57 mm (R)
ECOSELECT 2	≤ 75 mm (K)	≤ 57 mm (K)	VERSAFLOW 4	≤ 85 mm (R)	≤ 85 mm (R)
ECOSELECT 4	≤ 85 mm (R)	≤ 85 mm (R)	VERSAFLOW ONE	≤ 80 mm (K/R)	≤ 80 mm (K/R)
ECOCELL	≤ 85 mm (R, K)	≤ 57 mm (R, K)	VERSAFLOW FIVE	≤ 85 mm (R)	≤ 90 mm (R)
SMARTFLOW	≤ 75 mm (M)	-----			

Height 57 mm, B22



Height 62 mm, B22



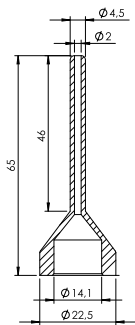
NOZZLES Selective Soldering

Finger Conveyor = (M)
 Roller Conveyor = (R)
 Pin-and-Chain Conveyor = (K)

	max. nozzle height	variable z-axis		max. nozzle height	variable z-axis
ECOSELECT 1	≤ 90 mm (M)	≤ 57 mm (M)	VERSAFLOW 3	≤ 85 mm (R)	≤ 57 mm (R)
ECOSELECT 2	≤ 75 mm (K)	≤ 57 mm (K)	VERSAFLOW 4	≤ 85 mm (R)	≤ 85 mm (R)
ECOSELECT 4	≤ 85 mm (R)	≤ 85 mm (R)	VERSAFLOW ONE	≤ 80 mm (K/R)	≤ 80 mm (K/R)
ECOCCELL	≤ 85 mm (R, K)	≤ 57 mm (R, K)	VERSAFLOW FIVE	≤ 85 mm (R)	≤ 90 mm (R)
SMARTFLOW	≤ 75 mm (M)	-----			

Height 65 mm, B22

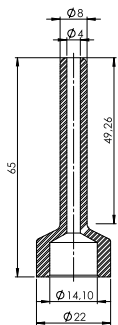
S NOZZLE 2.0/4.5, H=65, B22 .5



250821

1 Pc.

S NOZZLE 4.0/8.0, H=65, B22

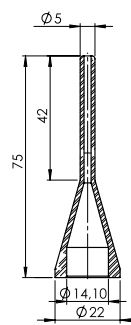


135253

1 Pc.

Height 75 mm, B22

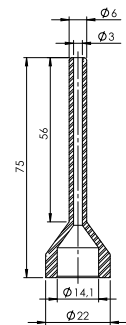
S NOZZLE 2.4/5.0, H=75, B22



300041

1 Pc.

S NOZZLE 3.0/6.0, H=75, B22

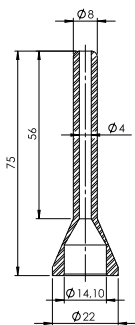


216347

1 Pc.

Height 75 mm, B22

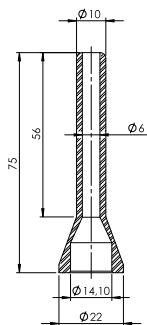
S NOZZLE 4.0/8.0, H=75, B22



206293

1 Pc.

S NOZZLE 6.0/10.0, H=75, B22

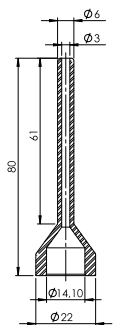


206294

1 Pc.

Height 80 mm, B22

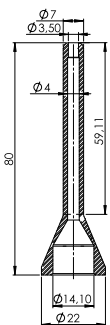
S NOZZLE 3.0/6.0, H=80, B22



278549

1 Pc.

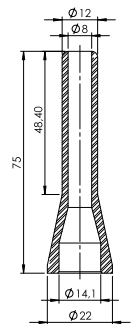
S NOZZLE 3.5/7.0, H=80, B22



213419

1 Pc.

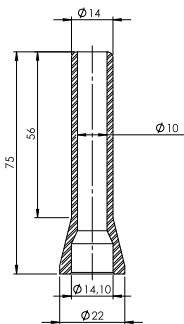
S NOZZLE 8.0/12.0, H=75, B22



235693

1 Pc.

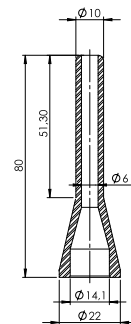
S NOZZLE 10.0/14.0, H=75, B22



251316

1 Pc.

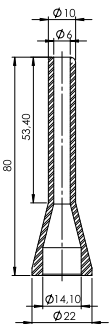
S NOZZLE 6.0/10.0, H=80, B22



211313

1 Pc.

S NOZZLE 6.0/10.0, H=80, B22



251319

1 Pc.

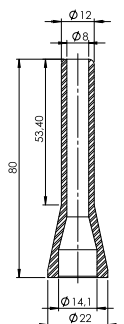
NOZZLES Selective Soldering

Finger Conveyor = (M)
 Roller Conveyor = (R)
 Pin-and-Chain Conveyor = (K)

	max. nozzle height	variable z-axis		max. nozzle height	variable z-axis
ECOSELECT 1	≤ 90 mm (M)	≤ 57 mm (M)	VERSAFLOW 3	≤ 85 mm (R)	≤ 57 mm (R)
ECOSELECT 2	≤ 75 mm (K)	≤ 57 mm (K)	VERSAFLOW 4	≤ 85 mm (R)	≤ 85 mm (R)
ECOSELECT 4	≤ 85 mm (R)	≤ 85 mm (R)	VERSAFLOW ONE	≤ 80 mm (K/R)	≤ 80 mm (K/R)
ECOCELL	≤ 85 mm (R, K)	≤ 57 mm (R, K)	VERSAFLOW FIVE	≤ 85 mm (R)	≤ 90 mm (R)
SMARTFLOW	≤ 75 mm (M)	-----			

Height 80 mm, B22

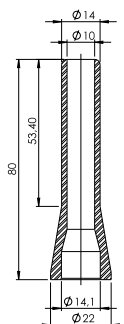
S NOZZLE 8.0/12.0, H=80, B22



211314

1 Pc.

S NOZZLE 10.0/14.0, H=80, B22

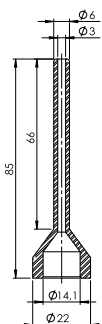


211315

1 Pc.

Height 85 mm, B22

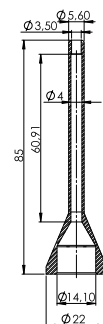
S NOZZLE 3.0/6.0, H=85, B22



278550

1 Pc.

S NOZZLE 3.5/5.6, H=85, B22

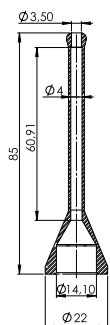


229921

1 Pc.

Height 85 mm, B22

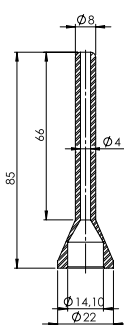
S NOZZLE 3.5/7.0, H=85, B22



229923

1 Pc.

S NOZZLE 4.0/8.0, H=85, B22

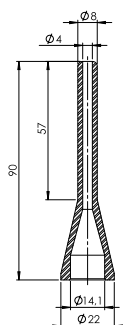


316185

1 Pc.

Height 90 mm, B22

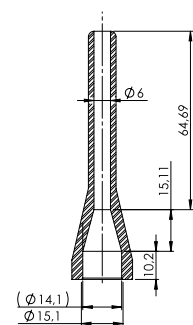
S NOZZLE 4.0/8.0, H=90, B22



197665

1 Pc.

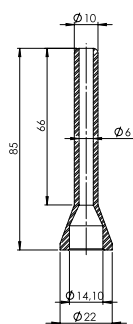
S NOZZLE 6.0/10.0, H=90, B22



314957

1 Pc.

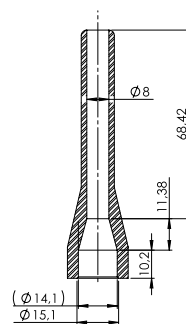
S NOZZLE 6.0/10.0, H=85, B22



316198

1 Pc.

S NOZZLE 8.0/12.0, H=90, B22



314953

1 Pc.

NOZZLES Selective Soldering

Finger Conveyor = (M)
 Roller Conveyor = (R)
 Pin-and-Chain Conveyor = (K)

	max. nozzle height	variable z-axis		max. nozzle height	variable z-axis
ECOSELECT 1	≤ 90 mm (M)	≤ 57 mm (M)	VERSAFLOW 3	≤ 85 mm (R)	≤ 57 mm (R)
ECOSELECT 2	≤ 75 mm (K)	≤ 57 mm (K)	VERSAFLOW 4	≤ 85 mm (R)	≤ 85 mm (R)
ECOSELECT 4	≤ 85 mm (R)	≤ 85 mm (R)	VERSAFLOW ONE	≤ 80 mm (K/R)	≤ 80 mm (K/R)
ECOCCELL	≤ 85 mm (R, K)	≤ 57 mm (R, K)	VERSAFLOW FIVE	≤ 85 mm (R)	≤ 90 mm (R)
SMARTFLOW	≤ 75 mm (M)	-----			

Height 47 mm, B36

S NOZZLE 2.5/4.0, H=47, B36		S NOZZLE 3.0/4.5, H=47, B36		S NOZZLE 3.0/6.0, H=47, B36		S NOZZLE 3.5/10.0, H=47, B36	
33143 1 pc.		6isk47957021a 1 pc.		6isk47957020a 1 pc.		25420 1 pc.	
S NOZZLE 4.0/8.0, H=47, B36		S NOZZLE 8.0/12.0, H=47, B36		S NOZZLE 10.0/14.0, H=47, B36		S NOZZLE 12.0/16.0, H=47, B36	
6isk47957022a 1 pc.		25421 1 pc.		6isk47957023 1 pc.		96112 1 pc.	

Height 56 mm, B36

S NOZZLE 3.0/4.5, H=56, B36		S NOZZLE 4.0/8.0, H=56, B36		S NOZZLE 3.0/6.0, H=58, B36		S NOZZLE 4.0/8.0, H=75, B36	
64673 1 pc.		64654 1 pc.		137134 1 pc.		184678 1 pc.	

Height 58 mm, B36

Height 75 mm, B36

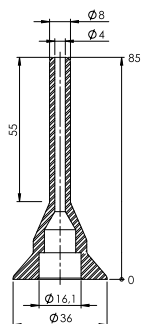
NOZZLES *Selective Soldering*

Finger Conveyor = (M)
 Roller Conveyor = (R)
 Pin-and-Chain Conveyor = (K)

	max. nozzle height	variable z-axis		max. nozzle height	variable z-axis
ECOSELECT 1	≤ 90 mm (M)	≤ 57 mm (M)	VERSAFLOW 3	≤ 85 mm (R)	≤ 57 mm (R)
ECOSELECT 2	≤ 75 mm (K)	≤ 57 mm (K)	VERSAFLOW 4	≤ 85 mm (R)	≤ 85 mm (R)
ECOSELECT 4	≤ 85 mm (R)	≤ 85 mm (R)	VERSAFLOW ONE	≤ 80 mm (K/R)	≤ 80 mm (K/R)
ECOCCELL	≤ 85 mm (R, K)	≤ 57 mm (R, K)	VERSAFLOW FIVE	≤ 85 mm (R)	≤ 90 mm (R)
SMARTFLOW	≤ 75 mm (M)	-----			

Height 85 mm, B36

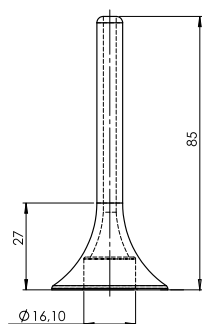
S NOZZLE 4.0/8.0, H=85, B36



138145

1 pc.

S NOZZLE 4.0/8.0, H=85, B36

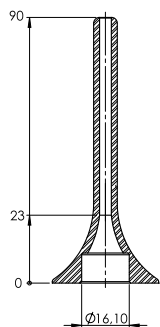


184677

1 pc.

Height 90 mm, B36

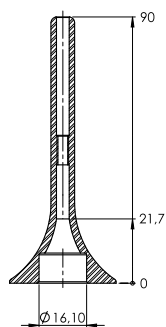
S NOZZLE 4.0/8.0, H=90, B36



162216

1 pc.

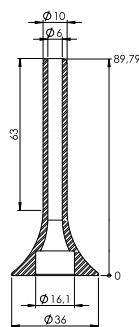
S NOZZLE 4.3/8.0, H=90, B36



168373

1 pc.

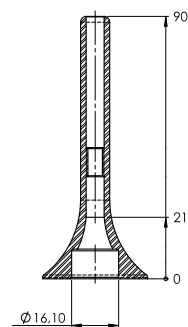
S NOZZLE 6.0/10.0, H=90, B36



162195

1 pc.

S NOZZLE 6.2/10.0, H=90, B36



168446

1 pc.

LUBRICANTS

and Cleaning Products

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

Lubricants

Figure	Description	Order No.
	High-temperature cain oil	
	LUBCON – special oil, Turmofluid 40B, 0.4 l spray can	6X0EL24-0.4S
	LUBCON – special oil, Turmofluid 40B, 0.5 l bottle	6X0EL24-0.5
	High-temperature grease UH1-96-402	
	Delivery in 80 g tubes	171146
	OKS 250 g metal-free multi paste	
	250 g can	210939
	80 g tube and 5 lube brushes	211218
	80 ml tube – not suitable for selective soldering when in contact with solder	216540
	Grease TAS-WT up to 1400 °C – 100 g tube	
	LUBCON – special lubricant, TURMOPAST TAS WT, paste without dropping points. Temperature application range -30 °C up to +1400 °C (higher than 200 °C: the paste turns to a dry lubrication)	28444
	Spindle grease, 50 g	
	NBU 15 for lubrication of the shaft from the z-axis (flex and dip module) in selective and wave soldering machines	210860
	Grease gun filled with Isoflex NBU15	
	Contains 50 g grease	210996
	Lubrication set Isoflex NBU15	
	50 g tube and lube brush	214163
	Grease Klueber Microlube GL 261, 40 g	
	Lubrication of linear track with high stress	210862
	Brush for grease	
	Brush for grease	211209

Lubricants

Figure	Description	Order No.
	Grease gun	
	Pressol plunger push press with cupped and pointed adapter, connection thread M10x1, size 80 cm³, AD 43 mm, L = 140 mm	92159
	Klüberplex BEM 34-132	
	1 kg can	343055
	Grease gun (empty)	
	For parker axes of VERSAFLOW 4	343049
	Hand lever grease gun with snout (empty)	
	For z-axis of the selective solder pot	343056

Cleaning products

Figure	Description	Order No.
	ESD cleaner, 1 l	
	For quick and easy cleaning of ESD surfaces	394884
	Cleaning set acrylic plates + ESD foil	
	ESD cleaner with high-performance microfibre cloth	211214
	Cleaning cloth	
	For cleaning of acrylic glass panes in machine covers	211207
	Cleaning cloth for spray heads	
	Lint-free cleaning cloth, size 100 mm x 100 mm	17231
	Sygol cleaner, 5 l can	
	Cleaner for high contamination especially in reflow- and wave soldering machines	302619

FLUXES

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

Low-residue No-Clean fluxes

Figure	Description	Order No.
	Flux IF 2005M	
	1.8 % solid content suitable for leaded and lead-free wave soldering	
	10 l can	4FMJF2005-10
	25 l can	4FMJF2005-25
	200 l barrel	4FMJF2005-200
	Thinner IF TT2005M	
	Thinner for IF 2005M	
	10 l can	4HMTT2005-10
	25 l can	4HMTT2005-25
	Flux IF TS15	
	1.5 % solid content, foamable	
	10 l can	4FMJF2005-10
	25 l can	4FMJF2005-25
	200 l barrel	4FMJF2005-200
	Thinner E3226	
	Thinner for IF TS15 and IF TS18	
	5 l can	4HMVER-5
	20 l can	4HMVER-20
	Flux RA200, 5 l can	
	4.5 % solid content, halogen-free activated, no resins	4FMRA200-5
	Thinner for flux RA201, 5 l can	
	5 l can. Transport information: GGVSE/ADR as of 1.1.2003 UN No. 1993, flammable liquid substance n.o.s. Contains ethanol and isopropanol, 3, VPII, special provision 640 D, transport category 2, WGK 1	4HMVER201-5
	Flux IF 2005K	
	2.5 % solid content, suitable for lead-free wave soldering and leaded selective soldering	
	1 l bottle	4FMJF2005K-1
	10 l can	4FMJF2005K-10
	25 l can	4FMJF2005K-25
	Flux IF 2005C	
	3.4 % solid content, suitable for leaded and lead-free selective soldering	
	1 l bottle	4FMJF2005C-1
	10 l can	4FMJF2005C-10
	25 l can	4FMJF2005C-25

Water based fluxes

Figure	Description	Order No.
	Flux IF 2009 MLF	
	3.6 % solid content, ultralow solder balling, suitable for wave and selective soldering	
	1 l can	4FMMLF2009-1
	10 l can	4FMMLF2009-10
	Flux Pacific IF 2009M	
	3.7 % solid content, low residues, high compatibility with conformal coat- ing, suitable for wave and selective soldering	
	1 l bottle	4FMJF2009-1
	10 l can	4FMJF2009-10
	25 l can	4FMJF2009-25
	Flux Pacific IF2009	
	2.5 % solid content	
	10 l can	4FMJF2009-2.5-10
	25 l can	4FMJF2009-2.5-25
	Flux Pacific IF 2010F	
	2.5 % solid content, low residues, high compatibility with conformal coating, suitable for wave soldering and foam fluxing	
	1 l bottle	4FMJF2010-1
	10 l can	4FMJF2010-10
	Flux IF 2040	
	6.5 % solid content, low residues high compatability with conformal coating, suitable for selective soldering	
	1 l bottle	4FMJF2040-1
	10 l can	4FMJF2040-10
	25 l can	4FMJF2040-25

Fluxes for special applications

Figure	Description	Order No.
	Flux GR8, 5 l can	
	14.5 % solid content, halogen- free activated, resins contained	4FMGR8-5
	Flux R8, 5 l can	
	15 % solid content, activated with organic halogens, resins contained	4FMR8-5
	Thinner E3226	
	5 l can	4HMVER-5
	20 l can	4HMVER-20

SOLDER BATH

Maintenance

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

General solder bath maintenance

Figure	Description	Order No.
	Mold for alloy analysis For the tin analysis at Ersä	6ISK714-05A
	Brush, flat, 25 mm x 7 mm Tampico bristles, green	317108
	Brush, flat, 25 mm x 7 mm Tampico bristles, blue	317109
	Brush, flat, 35 mm x 12 mm Tampico bristles, green	317110
	Brush, flat, 35 mm x 12 mm Tampico bristles, blue	317111
	Brush, flat, 60 mm x 20 mm Tampico bristles, green	317113
	Brush, flat, 60 mm x 20 mm Tampico bristles, blue	317114
	Brush, flat, 25 mm x 7 mm China bristles	317115
	Brush, flat, 35 mm x 12 mm China bristles	317116
	Brush, flat, 60 mm x 20 mm China bristles	317117

Solder bath maintenance: wave soldering

Figure	Description	Order No.
	De-drossing tool for solder pot For wave and dip soldering modules including special tool with L2C coated surfaces for lead solder. Consisting of 13 tools to maintain the solder bath	
	Blue	123551
	Green	265515
	Solder ladle Suitable for removal of liquid solder from the solder bath, for example for alloy analysis	6ISK714-01
	Solder scraper, blue This tool is used together with the dross remover, an optimal tool to separate the oxides from the useful solder	6ISK714-03
	Dross remover, blue	100692

Solder bath maintenance: wave soldering

Figure	Description	Order No.
	Multigrip pliers (pair) 240 mm length	6ZT00095
	Scraper, flexible	100676
	Brush flat sor. 40 1"	6ZT00073
	Spatula, w=150 mm, blue	100449
	Silicone brush	112539
	Silicone scraper Slim	112541
	Wide	112540
	Wooden scraper	112537
	Cover oil HT (pump drive) 1 l can for the covering of the pump drive in wave soldering machines, prevents surface oxidation, is synthetic and oil-free	4HMHT
	Removing tool with interlocking Nozzle removing tool for Ersä wave nozzles	12555
	Red oxide paint 750 g/can Protective paint for molded solder pots	4HMFARBE

Solder bath maintenance: selective soldering

Figure	Description	Order No.
	De-drossing tool set for mini wave pot Consisting of: 3x brush flat (6ZT00073) 1x Service gloves (pair), size L (6HDSGLGEW-290) 1x Ladle for feeding pipe, blue (100613) or green (299969), ladle diameter 26 mm 1x scraper, flexible (100676) 1x spoon to remove dross in VERSAFLOW pot (100604)	
	Blue	4SNP00-ZB0-010
	Green	265539

SOLDER BATH

Maintenance

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

Solder bath maintenance: selective soldering

Figure	Description	Order No.
	Solder ladle	
	Square solder pots	6ISK714-01
	Ladle, ø 26 mm, for feeding pipe	
	Blue	100613
	Green	299969
	Ladle, ø 44.5 mm, for feeding pipe DIP	
	Blue	253480
	Green	297440
	Nozzle removal tool	
	For selective nozzles standard and thin	6ISK47957091
	Combi tool for nozzle removal	
	Optimal combi tool to remove the nozzle and the gaasing ring of selective soldering machines	6ISK47957090A
	Nozzle removal tool	
		3ZT00164
	Tool for gasification ring	
	For opening the gasing caps of Erska soldering machines	243303
	Cleaning paste IF930 for nozzles	
	For cleaning / activation of wettable selective nozzles	
	10 ccm	179904
	Cleaning brush for nozzles, diameter 2.5 mm	
	Twisted brush with stainless steel bristles	258787
	2.5 mm brush, diameter, brush length: 120 mm, total length: 300 mm	
	Cleaning brush for nozzles, diameter 6 mm	
		247811
	Brush for tube ø =3 mm	
	Stainless steel bristles, tread M4	47700
	Brush for tube ø =5 mm	
	Stainless steel bristles, tread M6	47701
	Brush for tube ø =8 mm	
	Stainless steel bristles, tread M6	47702
	Brush for tube ø =10 mm	
	Stainless steel bristles, tread M6	47703

Solder bath maintenance: selective soldering

Figure	Description	Order No.
	Handle, 2.8 – 4 mm, synthetic material	
		47704
	Handle 2.8 – 4 mm black-synthetic	
		47705
	Tray for solder module	
		243401
	Spoon to remove dross in VERSAFLOW pot	
		100604
	Dispensing needle, ø =1.63 / 1.35, l=25.4, viol	
	For cleaning paste for VERSAFLOW solder nozzles	103556
	Cleaning tool set for solder nozzles	
	Tool set for cleaning and activation of solder nozzles	106249
	Consisting of:	
	2x Cleaning paste IF930 (order no. 179904, HS code 38109090) 5x Dispensing needle (order no. 103556, HS code 73181590) 1x Brush for tube (order no. 47703, HS code 96035000) 1x Handle for tube brush (order no. 47704, HS code 84879090) 1x Cleaning brush (order no. 213024, HS code 96039099)	
	Needle 90° LL Nr. 14 Id 1.6 mm	
		130271
	Upper section socket, standard	
	H = 39 mm, W = 22 mm	177110
	Upper section socket (machines with chain conveyor in solder module)	
	H = 45 mm, W = 22 mm	177113
	Upper section socket, special version (Y variable)	
	H = 33.5 mm, W = 22 mm	299188
	Sealing for gasing rings	
	OD = 60 mm, ID = 51.5 mm Note: Replacement in pairs is recommended	146054
	Gasing ring per solder pot	
	OD = 60 mm, ID = 50 mm	252783

FLUXER

Accessories

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

Fluxer: selective soldering systems

Figure	Description	Order No.
	Spray head Flux-Jet II – 130 µm	
		6FLX-REA06-4
	Spray head Flux-Jet II – 1/180 µm	
		6FLX-REA08-4
	Spray head Flux-Jet II – 1/270 µm	
		6FLX-REA07-4
	Sealing ring for spray head	
	For nozzle plate of the spray heads 6FLX-REAXX	82240
	Spring part with sealing	
	For spray heads 6FLX-REAXX	156252
	Wear set Flux-Jet	
	Consisting of: 2x nozzle plate sealing 2x fixing screws for nozzle plate 2x safety washer 1x spring	156183
	Cleaning needle for nozzle 130 – 270 µ	
	For spray heads of the VERSAFLOW and ECOCELL selective soldering machines	78722
	Cleaning needle 130 – 350 micrometer	
	For cleaning the nozzle plates of spray heads of VERSAFLOW and ECOCELL selective soldering machines	17233
	2 l pressure tank, V4A, 1.4404	
	Pressure tank for selective soldering machines	234045
	Flux container VERSAFLOW 4 and VERSAFLOW ONE, 2 l	
		383512
	Filter for flux filter cartridge	
		273892

Fluxer: selective soldering systems

Figure	Description	Order No.
	Float switch	
	For spray pressure tank	203148
	Evaporating plate	
		231417
	Level sensor	
	Capacitive level sensor for older pressure tanks	6FLX-SPR-12
	High-precision pressure regulator, 0.05 – 2 bar	
	Pressure regulator for pressure tank 234045	101992
	Pressure valve	
	For pressure tank 234045	205266
	Manometer 0 – 2.5 bar, 1/8"	
	For pressure tank 234045	125875
	PTFE sealing, 1/4", 25 % carbon	
	For pressure tank 234045	259583

Fluxer: POWERFLOW series

Abbildung	Bezeichnung	Bestell-Nr.
	Spray head, flood gate KA-2/SW jet	
	Nozzle: 0.3 mm	110089
	Nozzle: 0.5 mm	184409
	Quick change holder, spray head KA-2/SW	
	For spray heads 110089 and 184409	110091
	Spray head complete, flood gate	
	Set with spray head and quick change mount	110095
	Repair kit, small	
	For spray head 110089	138113
	Repair kit, big	
	For spray head 110089	138111

FLUXER

Accessories

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

Fluxer: POWERFLOW series

Abbildung	Bezeichnung	Bestell-Nr.
	Repair kit, small For spray head 184409	337923
	Repair kit, sealing For spray head holder (110091), contains all installed seals	164292
	Nozzle 0.3 mm Fluid nozzle for 110089, with 0.3 mm diameter	207521
	Needle 0.2 / 0.3 mm Needle for spray head 110089, with 0.3 mm fluid nozzle	245214
	Flux head 0.5 mm Fluid nozzle with 0.5 mm for gate spray head, use only in conjunction with the suitable needle 235322!	235321
	Needle for flux head inox 1.4571 Needle for gate spray head, use only in conjunction with the fluid nozzle 235321!	235322
	Spray head, flood gate jet / needle 0.5 Set with needle and fluid nozzle 0.5 mm for gate spray head, for diameter conversion from 0.3 mm to 0.5 mm	136796
	Pressure spring 0.7x13.5 mm For spray head 110089	233202
	O-ring, 2.9 x 1.78 mm, Viton	234130
	O-ring, 8.5 x 1.8 mm, Viton	234132
	O-Ring 5x1 mm Viton	236550
	O-ring, 3x1 mm	271979

Fluxer: POWERFLOW series

Abbildung	Bezeichnung	Bestell-Nr.
	O-ring, 18x1.5 mm	246024
	Cap ring, 23x10 mm	266004
	Spray nozzle air cap, 60°, stainless steel	224571
	Sealing set and repair kit for spraying system	128936

Fluxer: ETS, EWS and NWAWE series

Figure	Description	Order No.
	Spray head repair kit Contains all seals and needle	6FLXSPR-14
	Spray nozzle 2050 (stainless steel) Replacement fluid nozzle for standard spraying systems	6FLXSPR-02
	Spray nozzle 1650 (stainless steel) Fluid nozzle for spraying systems for reduced flux application	6FLXSPR-02-S1
	Spray nozzle 2850 (stainless steel) Fluid nozzle for spraying systems for increased flux application	6FLXSPR-02-S2
	Air nozzle 67228, 45°, stainless steel	6FLXSPR-03

Foam fluxer

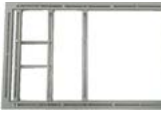
Figure	Description	Order No.
	Foam tube 25 mm, ø 41 mm Average pore size 10 µm, foam tube packed individually for dust protection	6IN131

MEASURING BOARDS

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

horus® measuring boards

Figure	Description	Order No.
	horus® measuring electronics + software 8 channels, real-time data, for reflow convection, wave, selective, general temperature-time profiles, measuring range -140 – 795 °C Consisting of: 1x horus® electronics and software 1x calibration horus® electronics (incl. certificate with DKD reference) 1x aluminium case with insert for electronics and Shuttle	0GP-ME-V2
	Measuring electronics VP/VAC + software Height 4 or 5 cm, 8 channels, real-time radio data transmission, for use in vapor phase and vacuum reflow soldering systems, (incl. vacuum chamber) Consisting of: 1x horus® VAC electronics and software 1x calibration horus® VAC electronics (incl. certificate with DKD reference) 1x aluminium case with insert for electronics and Shuttle	0GP-ME-V2VAC
	Measuring board SELECTIVE V5 Standard 300 mm x 330 mm [WxL], 8 sensors Consisting of: 1x measuring board SELECTIVE V5 1x aluminium case with insert	0GP-SE001

Figure	Description	Order No.
	Measuring board VACUUM V6 Small: 250 mm x 400 mm [WxL], 8 sensors Large: 500 mm x 400 mm [WxL], 8 sensors	0GP-VA-2540 0GP-VA-5040
	Carrier plate for vacuum shuttle 280 mm x 400 mm [WxL]	0GP-SH-V-2840
	Carrier plate for vacuum shuttle 530 mm x 400 mm [WxL]	0GP-SH-V-5340
	Carrier plate for vacuum shuttle 630 mm x 400 mm [WxL]	0GP-SH-V-6340
	Measuring board REFLOW V6 Small: 250 mm x 434 mm [WxL], 8 sensors Large: 500 mm x 434 mm [WxL], 8 sensors	0GP-RE-2544 0GP-RE-5044
	Measuring board WAVE V6 Standard 300 mm x 330 mm [WxL], 8 sensors Consisting of: 1x measuring board WAVE V6 1x aluminium case with insert	0GP-WE001

MEASURING BOARDS

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

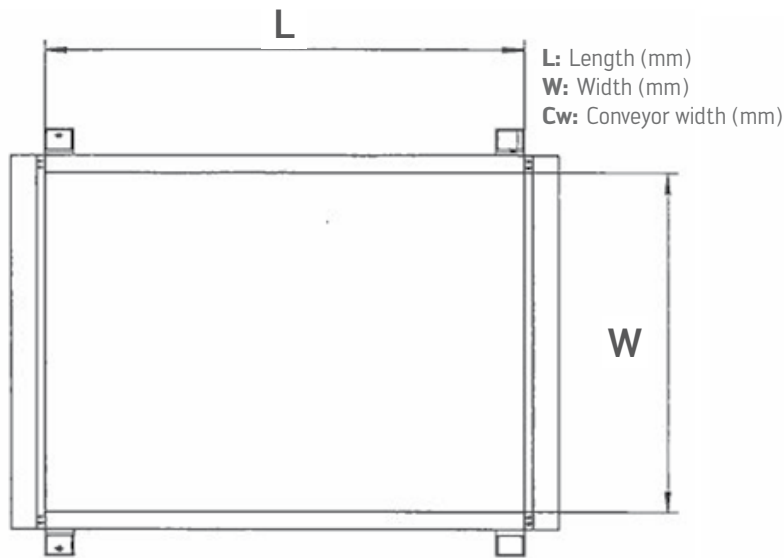
Spare parts for horus® and PTP® measuring boards

Figure	Description	Order No.
	1 set, 8 K-type thermocables, fiberglass insulation (M-F +320 °C)	
	Without labelling, graduated lengths: 2x 120 mm 2x 150 mm 2x 180 mm 2x 220 mm	340393
	Without labelling, graduated lengths: 4x 150 mm 4x 200 mm	341242
	Labelling 1 – 8, graduated lengths: 220 mm – 350 mm	340149
	L = 400 mm, labelling 1 – 8	341245
	L = 400 mm, without labelling	341247
	1 set, 8 K-type thermocables, PTFE insulation (M-F, +260 °C)	
	L = 250 mm, labelling 1 – 8	340160
	L = 350 mm, labelling 1 – 8	339318
	K-type thermocouple	
	PFA/insulation (+260 °C) 2x 0.03 mm / L = 300 mm	340109
	Fibreglass insulation (+320 °C) 2x 0.2 mm / L = 300 mm	339701
	Fibreglass insulation (+320 °C) 2x 0.2 mm / L = 400 mm	339702
	Fibreglass insulation (+320 °C) 2x 0.2 mm / L = 500 mm	339703
	K-type sheathed thermocouple	
	Inconel® (+320 °C), D = 0.5 mm / L = 150 mm	340082
	Inconel® (+320 °C), D = 0.5 mm / L = 200 mm	340083
	Inconel® (+320 °C), D = 0.5 mm / L = 250 mm	340085
	Inconel® (+320 °C), D = 0.5 mm / L = 300 mm	340086
	Inconel® (+320 °C), D = 0.5 mm / L = 400 mm	340000
	Inconel® (+320 °C), D = 0.5 mm / L = 500 mm	340087
Accessories PTP® (incompatible with horus®)		
	Antenna 50R/SMA-M RX, Knuckle (+80 °C)	223683
	Antenna 50R/SMA-M TX, Stub (+80 °C)	201950
	Data cable USB 2.0 (A to Mini B) 1.8 m	341288

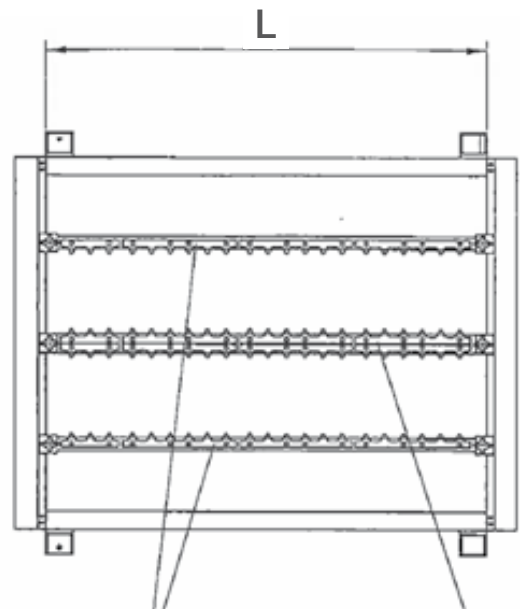
Figure	Description	Order No.
	On/Off switch (miniature plug M, +320 °C, shortcut)	341289
	USB charging adapter, 1.8 m (USB A – miniature plug F)	341290
	SMA antenna cable, 50R	341729
	Li-Ion battery	212495
	Thermocouple Ni/CrNi with plug	
	Thermal element with plug for Sensor Shuttle, 500 mm length	6ETHE2x0.20/500
Thermocouple cable Ni/CrNi		
	Yard goods	6ETHE2x0.20NI
Thermocouple compensation cable		
	Yard goods	6ETHE2x0.50NI
	Thermo plug "K" Jumo, male	
	For connection of the thermal sensor cable at the Sensor Shuttle	6ETHE-NI-ST
	Thermo coupling "K" Jumo, female	
	Counterpart of thermal plug 6ETH-NI-ST	6ETHE-NI-KU
	Kapton adhesive tape	
	10 mm	6ZT00160
	25 mm	3RRKAPTON
	High-temperature tape to fix thermal sensors on the temporary measurement board	

SOLDER FRAMES

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.



Wave soldering machine



Side Bars

Center Bar

Wave soldering machines: conveyors

L: Length	Cw=370, W=330	Cw=440, W=400	Cw=540, W=500
Standard conveyor:			
360 mm	4LRM360-3SC-F		
420 mm	4LRM420-3SC-F	4LRM420-4SC-F	4LRM420-5SC-F
500 mm	4LRM500-3SC-F	4LRM500-4SC-F	4LRM500-5SC-F
600 mm	4LRM600-3SC-F	4LRM600-4SC-F	4LRM600-5SC-F

Notice: Not suitable for ETS 330 soldering machine with only one conveyor drive chain!

Segmented conveyor:

420 mm	4LRM420-3SC-FL	4LRM420-4SC-FL	4LRM420-5SC-FL
500 mm	4LRM500-3SC-FL	4LRM500-4SC-FL	4LRM500-5SC-FL
600 mm	4LRM600-3SC-FL	4LRM600-4SC-FL	4LRM600-5SC-FL

Notice: Solder frame for Ersä POERFLOW with segmented conveyor.

Wave soldering machines: 250 mm working width

Figure	Description	Order No.
	Solder frame ETS 250	
	Length 360 mm	4LRM360-250
	Length 420 mm	4LRM420-250
	Length 500 mm	4LRM500-250
	Solder frame ETS 250A	
	Length 360 mm, VA	4LRM360-250A
	Length 500 mm, VA	4LRM500-250A
	Length 600 mm, VA	4LRM600-250A

Wave soldering machines: side/center bars

L: Length	Side bars	Center bars
360 mm	4KLE00-360-000	4DKLE0-360-000
420 mm	4KLE00-420-000	4DKLE0-420-000
500 mm	4KLE00-500-000	4DKLE0-500-000
600 mm	4KLE00-600-000	4DKLE0-600-000

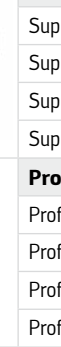
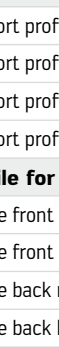
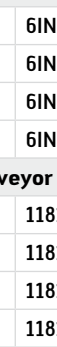
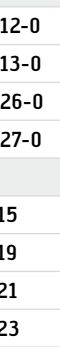
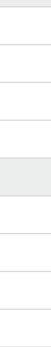
Spare parts, 250 mm working width

Figure	Description	Order No.
	Side bars ETS 250	
	Length 360 mm	4KLE25-360-000
	Length 420 mm	4KLE25-420-000
	Length 500 mm	4KLE25-500-000
	Length 600 mm	4KLE25-600-000
	Center bars ETS 250	
	Length 360 mm	4DKLE2-360-000
	Length 420 mm	4DKLE2-420-000
	Length 500 mm	4DKLE2-500-000
	Length 600 mm	4DKLE0-600-000

SOLDER FRAMES

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

Spare parts, 330 – 500 mm working width

Figure	Description	Order No.
	Support profile	
	Support profile front left	6IN512-0
	Support profile front right	6IN513-0
	Support profile back right	6IN526-0
	Support profile back left	6IN527-0
	Profile for segmented conveyor	
	Profile front left	118115
	Profile front right	118119
	Profile back right	118121
	Profile back left	118123
	Movable support rail	
	To support PCBs in Erska solder frame	
	330 mm working width	4ZH-330
	400 mm working width	4ZH400
	500 mm working width	4ZH500
	Rail for solder frames	
	Like 4ZH-330 – only rail	
	330 mm working width	6ISK275-02
	400 mm working width	6ISK275-03
	500 mm working width	6ISK275-04
	Mounting plate	
	For movable support, on-sided PCB holder	6IN490
	Center mounting plate	
	For movable support, two-sided PCB holder	6IN490-1
	Clamping clip 130 mm, 6 fingers, spring steel	
	Clip for center- and sidebar to rivet on	6IN127
	Clamping clip 65 mm, 3 fingers, spring steel	
	Clip for center- and sidebar to rivet on	6IN126
	Screw-star handle M4x16, stainless steel	
	For the clamping assembly of the Erska center- and sidebar	29548

Selective soldering machines

Figure	Description	Order No.
	Solder frame SMARTFLOW 2020 Universal frame	281460
	Rack PCB receptacle SMARTFLOW – 508 mm	296292
	Solder frame ECOSELECT 1 Universal frame 406 x 508 mm	226137
	Longitudinal rack for ECOSELECT 1, universal adapter, with rests on each side	253083
	Universal frame 508 x 508 mm	245124

STENCIL PRINTERS

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

Stencil printers

Figure	Description	Order No.
	Squeegees	
	200 mm set of squeegees (mil.)	188185
	250 mm set of squeegees (mil.)	176177
	300 mm set of squeegees (mil.)	176179
	350 mm set of squeegees (mil.)	176180
	400 mm set of squeegees (mil.)	176181
	450 mm set of squeegees (mil.)	188300
	500 mm set of squeegees (mil.)	183831
	550 mm set of squeegees (mil.)	189797
	600 mm set of squeegees (mil.)	272843
	650 mm set of squeegees (mil.)	286163
	680 mm set of squeegees (mil.)	286164
	700 mm set of squeegees (mil.)	286166
	Vacuum rails	
	Vacuum rail 250 mm	336684
	Vacuum rail 380 mm	336683
	Vacuum rail 420 mm	354887
	Vacuum rail 500 mm	336681
	Vacuum rail 560 mm	336680
	Vacuum rail 600 mm	344643
	Vacuum rail 700 mm	336678
	Cleaning paper	
	Cleaning tissue roll 50, plastic core	186759
	270 mm, roll, 11 m length	157365
	400 mm, roll, 11 m length	157397
	440 mm, roll, 11 m length	361614
	520 mm, roll, 11 m length	212275
	580 mm, roll, 11 m length	157398
	700 mm, roll, 11 m length	192203
	Support pin	
		121304
	Vacuum support pin	
	5 vacuum support pins	335935

Stencil printers

Figure	Description	Order No.
	Support blocks	
	400 mm	130313
	HD Grid-Lok	
	HD Grid-Lok-system/ 2 rows/L = 305 mm	142267
	HD Grid-Lok-system/ 2 rows/L = 457 mm	160047
	Additional module, 305 mm	142273
	Additional module, 457 mm	142276
	Optical sensor for "auto mode" (Grid-Lok)	142268
	VarioGrid	
	VarioGrid support system 3x L = 425 mm, W = 44 mm	148051
	VarioGrid support system 3x L = 326 mm, W = 44 mm	154132
	VarioGrid system module L = 425 mm, W = 44 mm	148046
	VarioGrid system module L = 326 mm, W = 44 mm	154134
	VarioGrid system module L = 425 mm, W = 22 mm	148047
	VarioGrid system module L = 326 mm, W = 22 mm	154133
	VarioGrid control – manual operation	153789
	VarioGrid Automatic / Control (E)	202121
	VarioGrid optical sensor (Automatic / Control (E))	202122
	QTZ module	
	QTZ Kit 4 modules + control unit, 305 mm	224609
	QTZ Kit 4 modules + control unit, 381 mm	224426
	QTZ Kit 4 modules + control unit, 457 mm	224611
	Quik Tool QTZ9912 additional module	226929
	Quik Tool QTZ9915 additional module	226930
	Quik Tool QTZ9918 additional module	226931

AUXILIARIES

and Supplies

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

Auxiliaries and supplies

Figure	Description	Order No.
	Leak detection spray 400 ml can	6ZT-SPRAY02
	Epoxy glue, tube Two components glue for example for fixing the thermal sensor on the measurement board	6X00034
	Molykote® spray, 400 ml, dry slide film For lubrication in demanding sliding applications, temperature range: -185 °C to +450 °C, non-resinous, high pressure resistance, ageing resistance	77781
	Antifreeze, can, 30 l Algicide, antifreeze and corrosion protection in cold-water cooling circuits	6ZT00167
	Adipic acid, can, 1 kg Powder for nozzle activation of wettable selective nozzles	89593
	Silicon glue E43, tube, 90 cm³ High-temperature silicone glue, permanent up to 180 °C	6X00028
	Solder wire SnAg3,8Cu0.7, ø 2 mm, 4 kg	50273
	Solder wire Sn63Pb37, ø 2 mm, 4 kg	61662
	Solder wire SN100CE-SnNi, ø 2 mm, 4 kg	104134
	Solder wire Sn96.5Ag3Cu0.5, ø 2 mm, 4 kg	120268

Figure	Description	Order No.
	Filter case, screwings NW3 Filter housing for residual oxygen measurement in different Erska soldering machines	6FIL-HL-01
	Filter cartridge, activated carbon For use in filter housing 6FIL-HL-01 for the residual oxygen measurement in different Erska soldering machines	6FIL-HL-ZT01
	O-ring for filter 6FIL-HL-01 For the transparent plunger of filter housing 6FIL-HL-01	6FIL-HL-ZT02
	Flux filter with screw joint Porosity: 3	203147
	Bayonet lock, lower section	139072
	Filter element 2600 for POWERFLOW	392841
	Filter element, white, 2800 for HOTFLOW	258239

AUXILIARIES

and Supplies

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

Auxiliaries and accessories

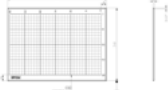
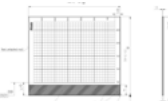
Figure	Description	Order No.
	Reference board	
	Measurement and calibration board for Ersas selective soldering machines Dimensions: 390 mm x 480 mm	340483
	Reference board	
	Measurement and calibration board for Ersas selective soldering machines Dimensions: 350 mm x 350 mm	203532
	Glass plate to verify wave set-up	
	In order to measure the wetting length dimensions: NOTE: no calibration tool!	
	Dimensions 227x325 mm	4ZBGS0227x325
	Dimensions 240x325 mm	4ZBGS0240x325
	Dimensions 249x289 mm	4ZBGS0249x289
	Dimensions 250x360 mm	4ZBGS0250x360
	Dimensions 350x300 mm	4ZBGS0350x300
	Dimensions 380x380 mm	4ZBGS0380x380
	Dimensions 400x300 mm	4ZBGS0400x300
	Dimensions 500x300 mm	4ZBGS0500x300
	Glass plate, heat resistant	
	Grid 300x300 mm, black edge for conveyor of selective soldering machines	84584

Figure	Description	Order No.
	Gas spring assembly tool	
	Enables easier installation of gas struts	123716
	All-purpose pin puller	
	For cutting the conveyor chains	62T00187
	Chain rivet remover	
	For chains with pin diameters over 3 mm	62T00189
	Service and maintenance trolley	
	For wave/multiwave and selective soldering machines.	276400
	Solder mould	
	Aluminum bowl for keeping solder during the emptying of the soldering pot	247629

AUXILIARIES

and Supplies

Unless specified otherwise in the product description, order numbers refer to a packing unit (pu) of 1 piece.

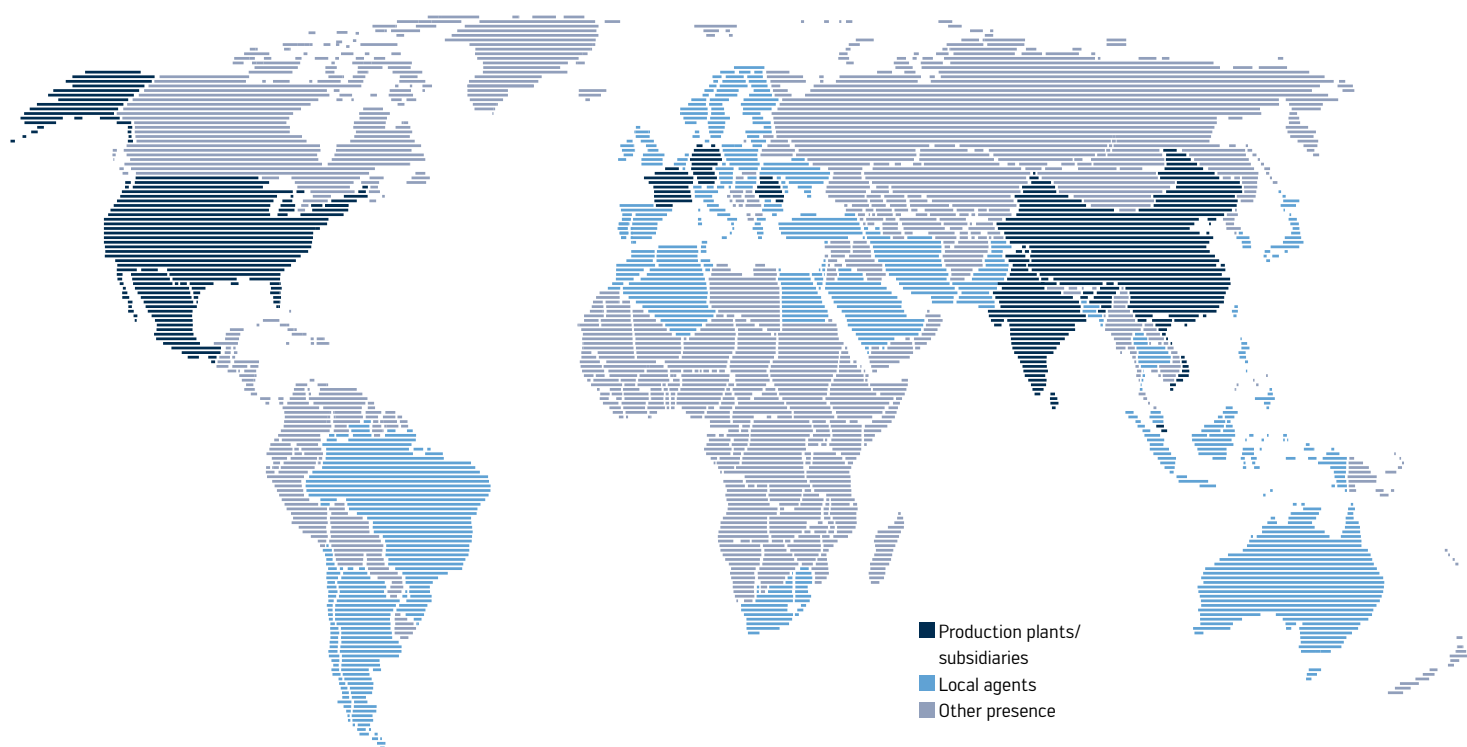
Auxiliaries and accessories

Figure	Description	Order No.
	Key for control panel	
	Electrical cabinet key	6VERSCHLÜ2531
	Wrench for control cabinet	
	Square key for opening special doors	252141
	Triangular wrench, 7 mm, 2545.000	
	Triangle key for opening special doors	6VERSCHLÜ2554
	Light metal precision level	
	For diverse adjustments	208659
	Cleaning brush stainless steel	
	Brush piece 100 x 20 mm, for example to clean wettable selective nozzles	213024
	Pressing tool	
	For pressing dowl pins in nozzle locking shafts	109687

Figure	Description	Order No.
	Protective gloves (pair)	
	Heavy, fleecy quality	127382
	Service gloves (pair)	
	For the hot area	
	Size S	6HDSGLGEW-288
	Size M	6HDSGLGEW-289
	Size L	6HDSGLGEW-290
	Covers	
	Cover for VERSAFLOW B	6ISK47202401
	Cover without cut-outs for VERSAFLOW 3 series	233401
	Cover for single pot without fluxer for VERSAFLOW 3 series and ECOCELL	253569
	Cover for single pot with fluxer for ECOSELECT 2 and ECOCELL	253570
	Cover z-variable without fluxer for VERSAFLOW 3 series and ECOCELL	253483
	Cover z-variable with fluxer for ECOSELECT 1 and ECOSELECT 2	253484
	Cover y-variable without fluxer for VERSAFLOW 3 series and ECOCELL	253581
	Cover y-variable with fluxer for ECOSELECT 1 and ECOSELECT 2	253582
	Cover for VERSAFLOW 4/55	295249

ELECTRONICS PRODUCTION EQUIPMENT

Worldwide presence



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