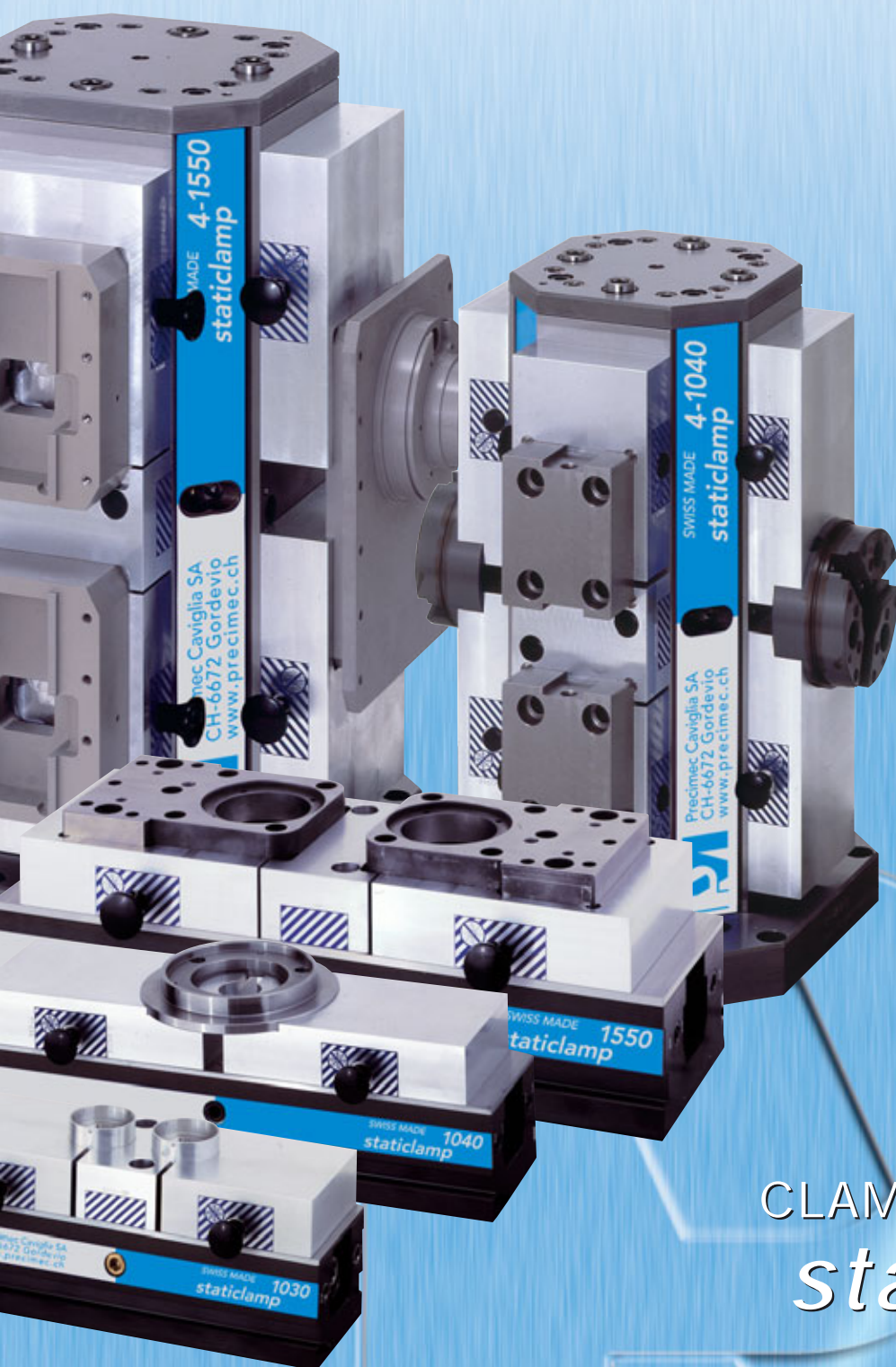




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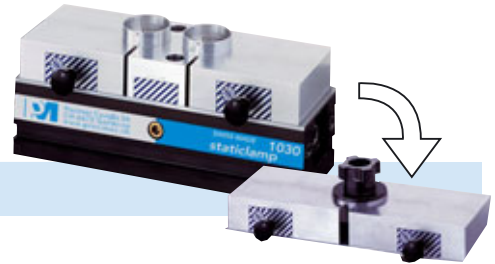
CLAMPING SYSTEM
staticlamp

clamping system *staticlamp*

- Double and centralized clamping in one system
Easy set-up in seconds

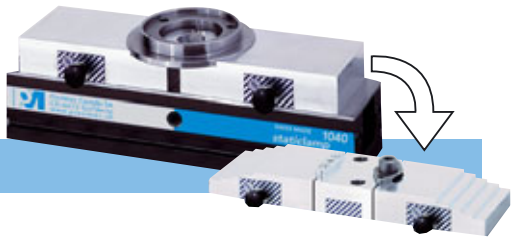
1 0 3 0

300 x 100 mm



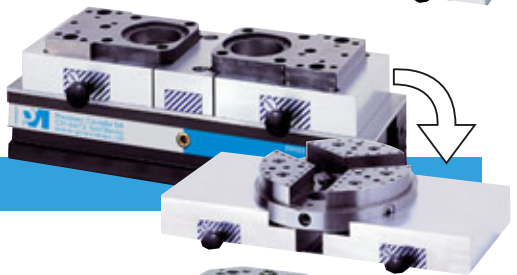
1 0 4 0

400 x 100 mm



1 5 5 0

500 x 150 mm



4 - 1 0 4 0

400 x 100 mm (450 x 250 x 250 mm)



4 - 1 5 5 0

500 x 150 mm (553 x 300 x 300 mm)

A high quality system for high precision

• Double and centralized clamping in one system

staticlamp is the first flat clamping system to combine both double and centralized clamping functions in one system. And all with the renowned Precimec precision and reliability. Setting and production are now more versatile and economical. Whether milling, drilling or grinding, *staticlamp* offers flexible applications, high-precision clamping and excellent repeatability. *staticlamp*'s modular construction using high-strength aluminium alloy ensures easy use, long life and exceptional stability.

• Centralized chucking for high precision

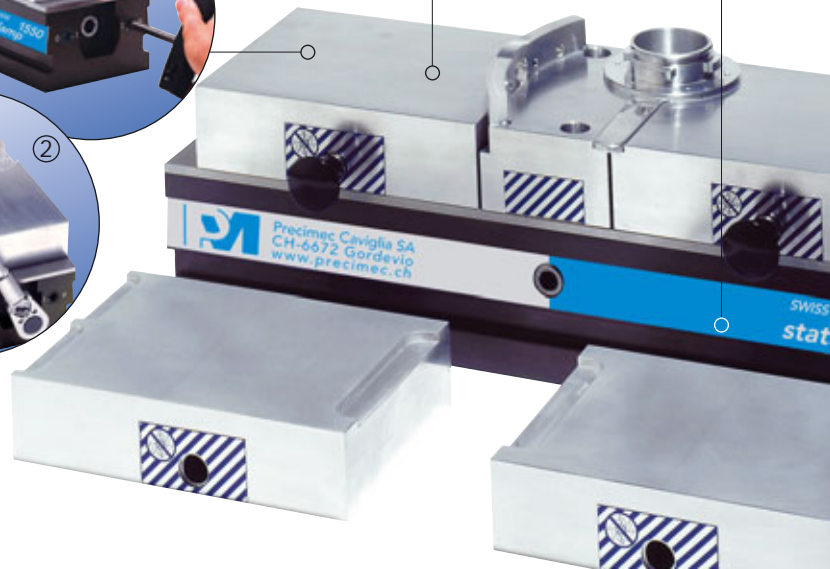
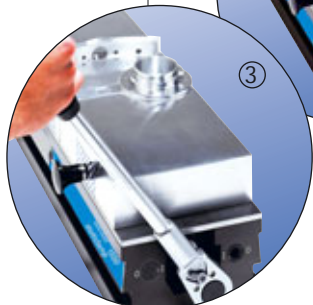
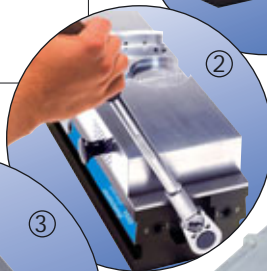
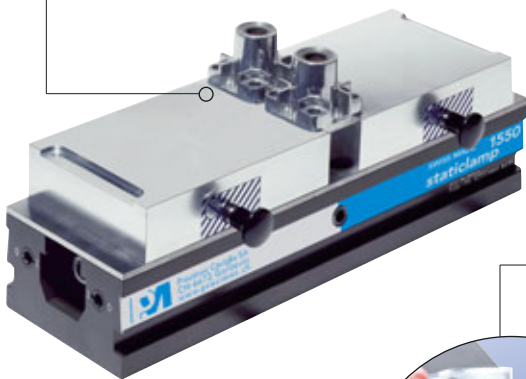
With conventional clamping system using fixed jaws, the tolerances of axially symmetric workpieces cause the workpiece datums to shift. This makes accurate production, especially series manufacture, difficult. With *staticlamp*, a centralized chucking system (which always locates symmetrically on zero), is formed from the double chucking system by simply screwing in the centering bolts. The changeover time from double chucking is less than a minute.

• Integral jaw brake for easier handling

What's more, with *staticlamp* you don't need three hands to load two workpieces and simultaneously actuate the gripping spindle – nothing could be easier with the integral jaw brake in *staticlamp*. Actuated from the operator side (Fig. 1), the jaw brake enables workpiece pre-chucking (Fig. 2) and full-chucking (Fig. 3). Once set-up, the brake function remains active in repetitive chucking operations. As a "third hand", this function greatly facilitates clamping operations, especially when *staticlamp* is being used vertically.

• Jaw profile preparation in minutes

staticlamp's quick-change jaws and clamping plates can be customized by milling the required profiles and stop faces into the jaws. This is quick, allows accurate and repeatable clamping, while also producing a cost effective fixture for future use if required.



• Designed to meet the highest requirements

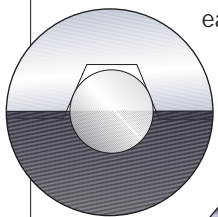
The *staticlamp* body is made from high-tensile aluminium alloy and designed for continuous, heavy-duty operation. The vibration-damping design also helps to ensure precise operation. Additionally the locking bolts prevent the jaws from lifting during clamping through a pull-down effect. *staticlamp* is ready for use with the groove and hole systems of all standard CNC machining centres and milling machines.

• Ball positioning system for higher precision

Locating holes in the cover plate coincide with the steel balls recessed in the body allowing the cover plate to be positioned without "play" due to an undersize of the taper bore. This guarantees absolute and exact positioning. Fixing of the centre jaw for double chucking operations also takes place with the aid of the same ball positioning system. The result is repeatability of better than 0.01 mm.

Fast, operator-friendly handling

Whether changing jaws or changing from centralized to double chucking or vice versa. Setup takes place easily in seconds.



• Double chucking for double productivity

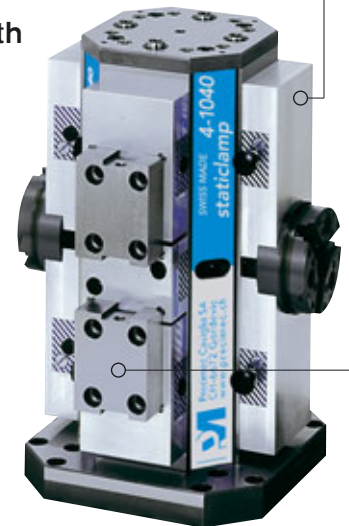
With a single unit, a minimum of two identical or different workpieces can be clamped. Productivity can be further improved by using several *staticlamps*, premounted on pallets, offering interesting possibilities for making series production even more efficient.

• Multiple clamping with the *staticlamp* tower

For large batches of parts, *staticlamp* towers are ideal for optimal machine utilisation. When using quick-change jaws, 4 or 8 chucking stations are available on each unit. Depending on the workpiece size, an even larger number of chucking stations can be prepared on clamping plates.

Jaw and plate changing is also quick and easy.

The flexible base-plate of the *staticlamp* tower enables use on all standard machine systems. With reversing clamps and rotary tables, *staticlamp* tower can also be used in vertical machining centres.



Maintenance-free

All *staticlamps* are delivered with a fully sealed, lubricant filled, spindle making the system easy to use and guaranteeing a long and virtually maintenance free working life.

New: Custom solutions

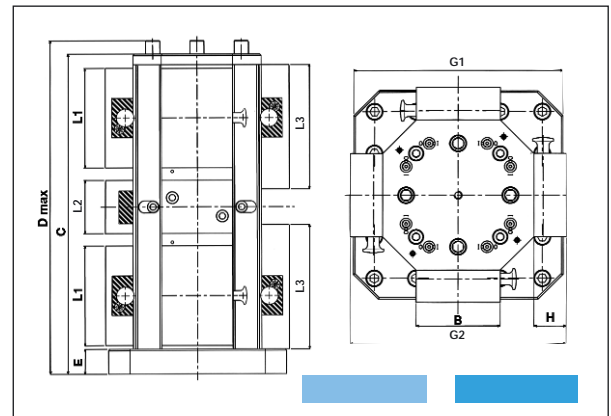
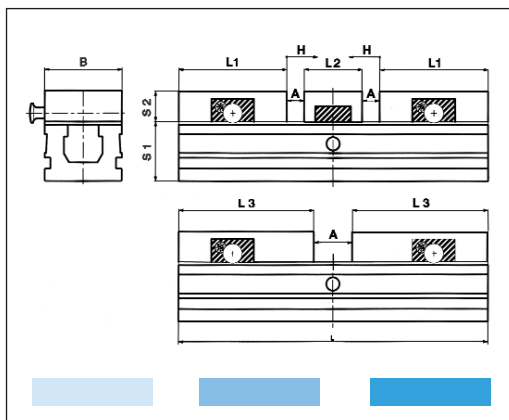
Precimec is a very flexible precision machine shop with experience in using the *staticlamp*. Therefore we can offer special jaw sets and top plates made you upon drawings or work pieces. We will find the best technical and economical solutions.



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Technical data at a glance

<i>staticlamp</i>			svm 1030	svm 1040	svm 1550
Length	L	mm	300	400	500
Width	B	mm	100	100	150
Weight without jaws		kg	7.1	9.3	22.2
Overall height without jaws	S1	mm	76	76	95
Jaw height	S2	mm	39	39	49
Min. residual height of jaws	S3	mm	29.5	29.5	35
Min. residual cross-section of jaws	A3/A4	mm	55	55	65
Max. jaw stroke (per jaw)	H	mm	10	18	22.5
Clamping range between jaws - double chucking	A	mm	0-10	0-18	0-22.5
Clamping range between jaws - centralized chucking	A	mm	0-20	14-50	35-80
Max. usable clamping range - centralized chucking		mm	280	380	480
Max. usable clamping range - double chucking		mm	130	180	230
Length of short jaw - double chucking	L1	mm	110	140	185
Length of centre jaw - double chucking	L2	mm	60	75	80
Length of long jaw - centralized chucking	L3	mm	140	175	207.5
Max. tightening torque		Nm	50	50	100
Max. chucking power		da N	2000	2000	4000
Fixing screws			4xM12	4xM12	6xM12
Spread of mounting holes		mm	40 & 50	40 & 50	40 & 50

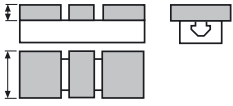
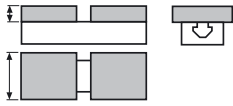


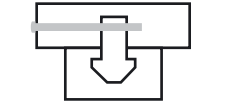
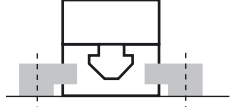



<i>staticlamp tower</i>			svt 4-1040	svt 4-1550
Weight without jaws		kg	58	118
Max. jaw stroke per jaw	H	mm	18	22.5
Width of base plate	G1	mm	250	300
Width over jaws	G2	mm	258	338
Overall height of tower	C	mm	450	553
Max. height of spindle	Dmax	mm	469	576
Jaw width	B	mm	100	150
Jaw depth	S2	mm	39	49
Clamping range between jaws - double chucking	A	mm	0-18	0-22,5
Clamping range between jaws - centralized chucking	A	mm	14-50	35-80
Length of short jaw - double chucking	L1	mm	140	185
Length of centre jaw - double chucking	L2	mm	75	80
Length of long jaw - centralized chucking	L3	mm	175	207.5



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Standard accessories

For <i>staticlamp</i> clamping system		svm 1030	svm 1040 svt 4-1040	svm 1550 svt 4-1550	
		Jaws for double and centralized clamping			
		double clamping:	Ident. -No. 300091	300092	300093
		centralized clamping:	Ident. -No. 300094	300095	300096
		Jaws extra-wide/high, for 2 clamping stations (compensating chucking)			
		Required:	Type SVM-WB 03-1030	SVM-WB 03-1040	SVM-WB 03-1550
		Locking bolt, long	Ident. -No. 300097	300098	300099
			Size 150x49	150x49	200x59
		Jaw extra-wide/high, for 1 clamping station (centralized chucking)			
		Required:	Type SVM-WB 04-1030	SVM-WB 04-1040	SVM-WB 04-1550
		Locking bolt, long	Ident. -No. 300100	300101	300102
			Size 150x49	150x49	200x59
		Clamping plate, standard (to change pallets)			
			Type SVM-WBP 1-1030	SVM-WBP 1-1040	SVM-WBP 1-1550
			Ident. -No. 25477	25475	25473
			Size 100x39x300	100x39x400	150x49x500
		Clamping plate extra-wide/high (to change pallets)			
		Required:	Type SVM-WBP 2-1030	SVM-WBP 2-1040	SVM-WBP 2-1550
		Long locking bolt	Ident. -No. 25478	25476	25474
			Size 150x49x300	150x49x400	200x59x500
		Locking bolt, long (for overwide jaws or clamping plates)			
		For extra-wide jaws or clamping plates	Type SVM 1030	SVM 1040	SVM 1550
			Ident. -No. 300074	300074	300073
			For width 150	150	200
		Clamps			
		For mounting the clamping system	Type SVM 1030	SVM 1040	SVM 1550
		Set of 4 parts	Ident. -No. 44459	44459	45087

Further information is available from:

www.precimec.ch



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