

THIEME

THIEME TSC



Squeegee Cutter



The THIEME TSC

Sharp squeegee edges for brilliant print result

The squeegee edge has a crucial impact on the print result. In order to obtain a good result, the squeegee edge has to be of a precise flatness and sharpness.

Due to the aggressiveness of the solvent ingredients in the printing inks and the friction generated during the printing process the squeegee is exposed to break-down.

Stop squeegee grinding

Squeegee grinding naturally rips the surface and "enlarges" it versus a polished surface as a result of cutting. The porous surface makes it even easier for the solvents to penetrate the material during normal use. Furthermore, the roughness of the edge surface created by the grinding leads also to premature breakdown of the printing edge.

Squeegee cutting instead of squeegee grinding

An new approach to sharp squeegees has been made by using cutting knives. Here, a sharp, rotating blade cuts a small strip off the squeegee rubber.

Optimal results with the THIEME TSC

The THIEME TSC squeegee cutter works with a rotating knife, which can only cut a small strip of 0,8mm (1/32"), due to a defined number of revolutions and advance. By using a cooling lubricant, a smooth edge is achieved automatically during a single cut. A small stripe of polyurethane remains instead of tiresome grinding dust.

Excellent print results are achieved by the high precision of the printing edge of the squeegee. Additionally, the endurance is increased two fold with cutting of the blade versus grinding. Up-time is enhanced due to the lengthened printing duration of the blade between sharpening. All current polyurethane squeegee rubbers can be cut with the THIEME TSC.

Squeegee Cutter

Technical Data

Type of machine	130	170	220	310	340	
cutting length (mm inch)	1300 51	1700 67	2200 87	3100 122	3400 134	
squeegee thickness (mm inch)	5-10 0,2-0,4					
dwell time of knife	approx. 500 m 1640 ft. (depending on type of squeegee rubber)					
coolant consumption (l/m)	approx. 0,04					
power supply (V)*	400 V, 50 Hz, 3 phases					
circuit connection (kW)**	1					
compressed air (bar)	6					
compressed air consumption (l/min)	approx. 2,5					
overall machine dimensions (mm inch)	length	2500 99	2900 115	3400 134	4350 172	4650 183
	width	784 31	784 31	784 31	784 31	784 31
	height	1250 49	1250 49	1250 49	1250 49	1250 49
machine weight (kg lb)	370 816	430 948	480 1058	600 1323	650 1430	

All technical information are not binding and subject to be changed

* other voltages possible

** without grinding head

Delivery includes (all types):

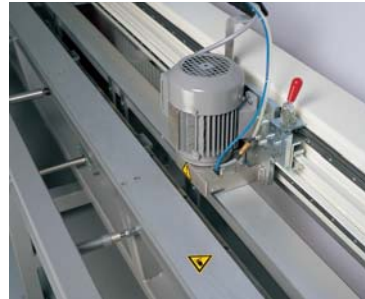
- Box for cooling lubricant (10 l)
- Cooling lubricant (30 l)
- 2 knives
- Tools for change of knife
- Cutting depth gauge



THIEME screen printing equipment can be used for a variety of applications. Machine features are based on the requirements of each individual customer and are governed by the type and composition of substrates and inks used. Please note that the use of substrates and inks that differ from those defined at the time of purchase may influence the performance of the machine. Please also note that options and special features of the machines may influence the performance and might change dimensions, cycle times and application possibilities compared to the standard version.

Construction of the THIEME TSC Squeegee Cutter

- Vibration free cutting device
- High RPM, solidly mounted cutting motor
- Cooling lubricant with microfog spraying system
- **Option:**
Grinding head for the trimming of RKS squeegees



- Pneumatic blade clamping

- Linear guided height adjustment by means of hand wheel





THIEME TSC – Squeegee Cutter

Improved printing quality with a factory smooth edge.

- Rotating knife cutting only a 0,8 mm (1/32") thin strip of material
- Cooling lubricant guarantees precise cut of squeegee edge
- One cut for the perfect result
- No tiresome grinding dust
- Improved printing quality
- Increased endurance of squeegee edge
- Decreased solvent absorption
- Increased production performance

The high quality of the squeegee edge allows best printing quality. Enhanced up-time printing performance is standard.

Hotter than a chili pepper – perfect sharpness and brilliance distinguish the printing result of a squeegee cut with the THIEME TSC.

For more information,
please contact
your local branch or
our head office.

Hauptsitz Deutschland/
Head office Germany:
THIEME GmbH & Co. KG
Robert-Bosch-Straße 1
79331 Teningen

Tel. +49 (0) 76 41-583-0
Fax +49 (0) 76 41-583-110
E-Mail: info@thieme-products.com

France:
THIEME S.A.S.
„Les Scientifiques“
Rue Sébastien Brant
Parc d'Innovation Strasbourg Technopôle
67400 Illkirch Graffenstaden

Tél. +33 (0) 3 88 55 27 00
Fax +33 (0) 3 88 67 33 13
E-Mail: thieme.fr@thieme.eu

USA:
THIEME Corporation
3605 Swenson Avenue
St. Charles, IL 60174

Phone +1-630-513-1666
Fax +1-630-513-1999
E-Mail: info@thieme-us.com

member of  SGIA