

## RT/4080 Rotary Trimmer

### Featured Benefits

- Opto-electric trimmer monitoring system ensures consistent production runs
- Accu-set knife adjustment system ensures maximum knife performance
- Synchronous motors for perfect alignment at high speeds
- Easy changeover & knife regrinding
- Pro-Tect knife guard system offers controlled access, thus, maintaining knife performance
- Up to 90,000 copies, cut on 2 sides, can be produced
- Variable speed knife drive ensures optimum trim quality
- Highest quality trim performance
- Low cost of operation
- Simple, easy-to-use, reliable operation
- Easily switch off one or both knives for complete production flexibility
- Long knife life

The **RT/4080 Rotary Trimmer**, available from Systems Technology, Inc., is the trimmer of the future, available now. Several unique operating features including Opto-Electric Trimmer monitoring system, Accu-set knife adjustment system, Pro-Tect knife guard system, and Variable speed knife drive make this rotary trimmer the choice for the most demanding users who require high trim quality. Products range from the high quality automotive brochures to high page count signatures on newsprint and uncoated stocks, and a whole range of finished products in between. The **RT/4080 Rotary Trimmer**, has also found its home in the high speed retail insert houses running speeds in excess of 80K IPH.

The extraordinary knife life of its solid carbide, large diameter cutting surfaces sets the standard for long knife life and continues to dramatically out perform our competition using alternate knife configuration technology. In addition, the operating costs related to knife sharpening and replacements are far lower compared to these other knife technologies. And, of course, trim quality standards are the highest in the industry, from the first signature to whenever the knife is ultimately re-sharpened.

Regardless of your application, the **RT/4080 Rotary Trimmer**, will deliver the trim quality you require at the lowest operating cost, while delivering the greatest level of reliability and operability available in today's printing world.

The **RT/4080 Rotary Trimmer**, and its complementary line of integrated 3- and 4-knife trimmers, stacked trimmers, and center trim units, as well as specialty conveying equipment, overhead trapped-belt conveyors, and stream separator deservers is produced to the most exacting manufacturing standards and technical specifications by its manufacturer in Vienna, Austria.

The **RT/4080's** sales, service, and after-market parts are provided exclusively in North America by STI.



### Systems Technology Inc.

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# RT/4080 Rotary Trimmer

## TECHNICAL SPECIFICATIONS

Machine:	Rotary trimmer			Upper blade:	max. $\Delta$ 308 mm	min. $\Delta$ 300 mm
Short description:	RT/4080			Paper waste:	min. 3 mm	max. 60mm
Drive trimmer:	Alignment	AC-motor	120 Watt (4 x)	Suction pipe:	$\Delta$ 100 mm (4x)	
	Knives	AC-motor	2.200 Watt (4 x)	Suction device:	made by costumer	
	Belts	AC-motor	1.500 Watt	Exhaust power:	Air volume:	900 m <sup>3</sup> /h
Drive bump turn:	Feed conveyer	AC-motor	370 Watt	Depression:	1.960 Pa (N/m <sup>2</sup> )	
	Cross conveyer	AC-motor	370 Watt	Air speed:	30 m/sec	
Control system:	synchronous speed control via voltage generator, of the rotary printing press or stitching machine			Press rolls:	Pressure pneumatically adjustable	
Tachometer signal output:	U max. 180V DC			Air requirements:	Air consumption:	minimal
Analog signal:	UE 0-10V DC				Air pressure:	min. 4 bar max. 9 bar
from rotary printing press	I max. 15 mA			Monitoring device:	Switch off when product jams	
Speed:	adjustable from 0 - 80 m/min (50 m/min at 50 Hz)				Switch off during emergency stop	
Product thickness:	Total thickness	max. 15 mm			Switch off when the guard is open	
Paper weight:	up to the thickest kind of rotary printing paper,			Noise level:	82dB (A) Maximum	
Untrimmed product width:	min. 100 mm	max. 550 mm			Conforming to DIN45635 paragraph 27	
Product alignment:	by vibrating belts adjustable during operation			Input power:	14.000 Watt	
Trimmed product width:	min. 90 mm	max. 490 mm		Voltage:	3 x 400 V AC + N + PE 50/60 Hz	
Slide adjustment (trimmer):	with four hand wheels for alignment and knife slides, adjustable from both sides of the machine			Control voltage:	24.Volt	
Telescoping unit:	with two hand wheels,			Nominal current:	30 Ampere	
Bump plate adjustable:	fixed by clamp bolt			Primary fuse:	40 Ampere	
Operation:	Controller panel placed on the top of the control cabinet, additional emergency stop on both sides of the machine			Infeed height:	600 mm	
Lower blade:	$\Delta$ 150 mm			Delivery height:	600 mm	
				Total length:	3.200 mm (including hand wheels)	
				Total width:	2.940 mm	
				Total height:	905 mm	
				Weight:	1.780 kg	
				2 knives unit:	750 kg (2x)	
				bump turn unit:	280 kg	
				Color:	RAL 7035	

