

## METZNER TRIATHLON

Cost reduction for control cabinet manufacturers thanks to automation



pic.: TRIATHLON 3000+

### FEATURES

- Faster, more resource-efficient and higher-quality production thanks to automation
- Stripping on one or both sides
- Crimping of the cable ends
- Individual printing via ink-jet
- Pre-sorting the cables into component groups



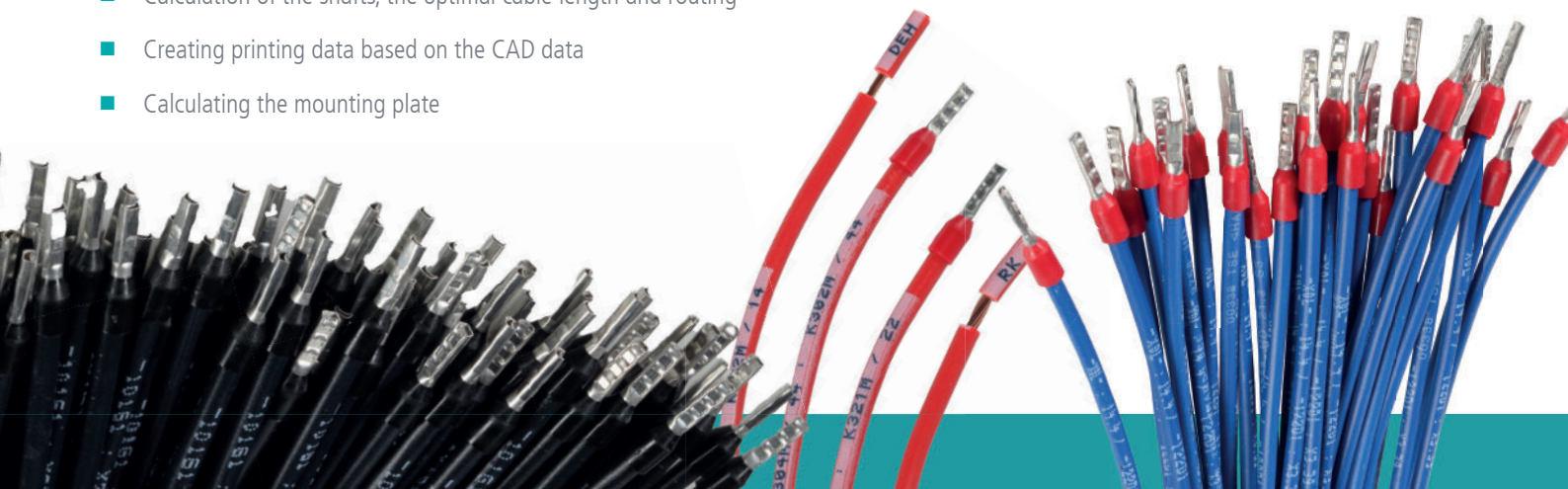
pic.: TRIATHLON 2000



pic.: TRIATHLON 3000

### TRIATHLON SOFT:

- Creating the layouts and parts lists based on the CAD data
- Calculation of the shafts, the optimal cable length and routing
- Creating printing data based on the CAD data
- Calculating the mounting plate



## ALL TECHNICAL DETAILS AT A GLANCE

Performance data	TRIATHLON 2000	TRIATHLON 3000	TRIATHLON 3000 +
Wire size range stranded/solid	0.14 - 6 mm <sup>2</sup>	0.5 - 35 mm <sup>2</sup>	
Cable diameter max.	6 mm   4 mm when crimping	15 mm   4 mm when crimping	
Length interval	0.1 mm		
Typical repeat accuracy	± (1mm + 0.2 % l)		
Feeding speed max.	60 m/min.	120 m/min.	
Stripping length max. Cable start   Cable end	160 mm   999 mm	250 mm   999 mm	
Cable length	20 - 200,000 mm		
Wire stripping force	220 N		
Equipment	TRIATHLON 2000	TRIATHLON 3000	TRIATHLON 3000+
Cutting system	knife		
Feeding system	belt		
Cutting	✓	✓	✓
Stripping with full pull-off	✓	✓	✓
Stripping with partial pull-off	✓	✓	✓
Slitting	✓	✓	✓
Multistage stripping	3 stages on each side		
Ribbon cable	option	option	option
BOM processing	✓	✓	✓
Material end recognition	✓	✓	✓
Cable length compensation	✓	✓	✓
Recipe data management	✓	✓	✓
Length measuring system	option	option	option
Printing interface	option	option	option
Interface for peripherals	option	option	option
IT network interface	option	option	option
Longitudinal slit module	option	option	option
Networking / MES interface (Industry 4.0)	option with PC	option with PC	option with PC
Remote servicing	option with PC	option with PC	option with PC
USB/Ethernet	✓ with PC	✓ with PC	✓ with PC
Blades	V blade, Radius V blade, Slitting blade, Ribbon cable blade		
Number of pairs of blades in use	2	2	2
Technical data	TRIATHLON 2000	TRIATHLON 3000	TRIATHLON 3000+
Dimensions (L x W x H)	1,450 mm x 1,050 mm x 1,450 mm	1,750 mm x 1,100 mm x 1,520 mm	
Electrical connection	230 V   50/60 Hz   1.4 A	230 V   50/60 Hz   3.1 A	
Compressed air connection	6 bar		
Weight	200 kg	250 kg	280 kg
Drive	SPS/PC		
Display	19" Screen with keyboard and mouse		
Consumption kVA   bar	P: 0.4 kVA   approx. 75 l/min.	P: 0.4 kVA   approx. 100 l/min.	
Noise (idle)	< 75dB (A)		