

# ROPE MAKING

## Roblon M144

### Roblon M144 combined strander and rope layer

Produces finished rope in any length  
Three-strand and four-strand models  
External take-up

For production of rope from natural fibre yarns  
For production of rope from synthetic fibre yarns  
For production of coiled or loose rope

### Key features

- Start to finish in one continuous operation
- Produce any rope length
- Set lay length electronically
- Set production speed electronically
- Two rope lays per revolution
- Two motors with inverter drives
- Lightweight rotating parts
- Low noise level
- Low power consumption
- Compact, simple, robust design
- Easy to change strand twist
- Highly reliable
- Easy to maintain
- Haul-off system for take-up in cans or boxes
- External take up
  - on coils
  - on reels
  - on hanks
  - loose in cans or boxes

### Optional equipment

- Separate coiling unit
- In-line treatment of rope
  - singeing
  - greasing
- Adaption of machine to accommodate other package dimensions and numbers of packages



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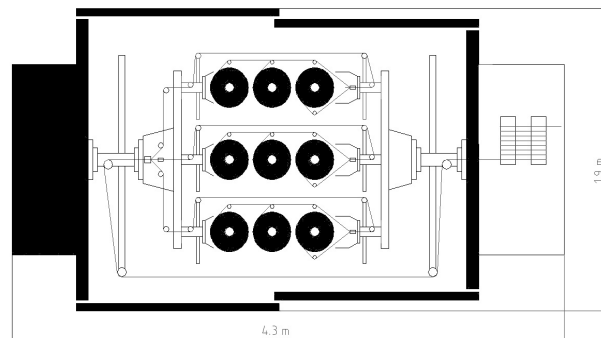
### Technical data

Rope range:	Ø3-10 mm	
Rope flyer speed:	0-max. 670 rpm, depending on pre-twist factor	
Rope lay:	S and Z	
Twists per minute:	2 x rope flyer speed	
Lay length:	7-50 mm. Any length can be set electronically.	
Pre-twist factor:	0.6-2.0 x rope twist	
Take-up capacity:	Unlimited	
Pay-off packages:	M144/3	M144/4
	3 x 3, max. Ø250 x 300 mm traverse	4 x 3, max. Ø250 x 300 mm traverse
	3 x 1, max. Ø400 x 500 mm traverse	4 x 1, max. Ø400 x 500 mm traverse
	3 x 6, max. Ø175 x 250 mm traverse	4 x 6, max. Ø175 x 250 mm traverse

### Production capacity

	Output	Flyer speed
Ø3 mm:	40 kg	670 rpm
Ø4 mm:	84 kg	670 rpm
Ø5 mm:	153 kg	670 rpm
Ø6 mm:	230 kg	610 rpm
Ø7 mm:	352 kg	610 rpm
Ø8 mm:	461 kg	550 rpm
Ø9 mm:	642 kg	550 rpm
Ø10 mm:	764 kg	500 rpm

Examples based on three-strand polypropylene rope. Pre-twist factor: 0.8. Lay length: medium. Efficiency rate: 100%. 8 hours' production.



Motor power: 15 kW AC

M144/3 weight: 3,100 kg

M144/4 weight: 3,400 kg

Height: 1.9 m

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