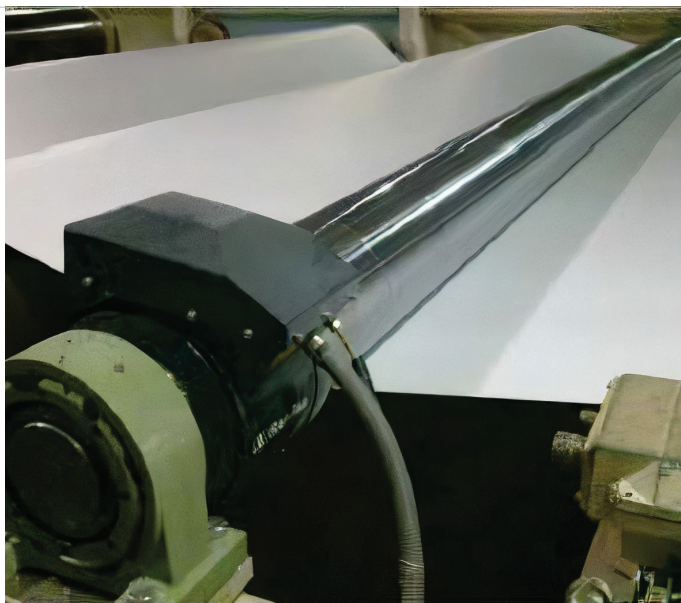# Finbow high speed direct drive

Direct drive – compact electrical motor unit which is mounted on the roll. *Direct drive* is an optimal solution for positions where traditional belt drive does not suit. Accurate speed adjustment makes *Direct drive* spreader roll a high quality product. Maintenance-free operation reduces the operation costs since the motor maintenance and adjustment of a belt drive are not required.
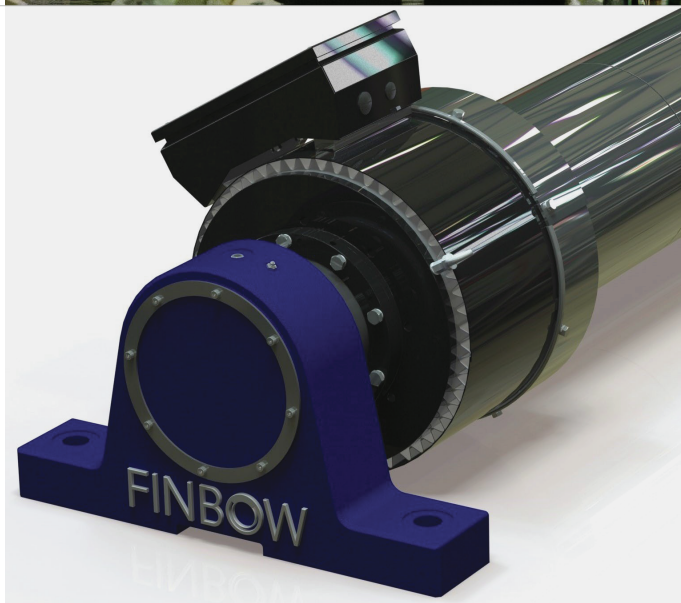
Features & benefits

- Energy-efficient, maintenance-free permanent magnet electrical motor Randax®
- Motor unit is controlled by commonly used industrial frequency converters
- Available in corrosion-resistant materials to endure harsh operating environments
- Ambient temperature up to 140° C
- Possible to install on currently used rolls
- Precise control of motor speed ensures quality improvement
- Optimal spreading improves machine runnability
- No speed difference between the roll and the synchronous motor

- No need for belt drive
- Adjusting the roll´s bow direction does not require adjusting belt tightness - resulting in less downtime and higher productivity
- No separate bearings, the motor has no lubrication points
- The direct drive roll is delivered as a finished unit
- Does not require any motor support structures (foundations, frames and plates)
- Time proven reliable solution for paper web handling

![FINBOW | GENUINE BOWHOW]

The latest cases from Finbow

Delivery of the direct drive spreader roll for the dryer after online coating station

- Paper grade: Printing & writing
- Speed: 1600 m/min
- Web width: 8,400 mm
- Shell length: 8,700 mm
- Roll diameter: 330 mm
- Bearing distance: 9,600 mm

Delivery of the direct drive spreader roll for the size press, after-dryer

- Paper grade: Containerboard
- Speed: 1200 m/min
- Web width: 6,360 mm
- Shell length: 7,000 mm
- Roll diameter: 290 mm
- Bearing distance: 7,850 mm

For more information, please contact:

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