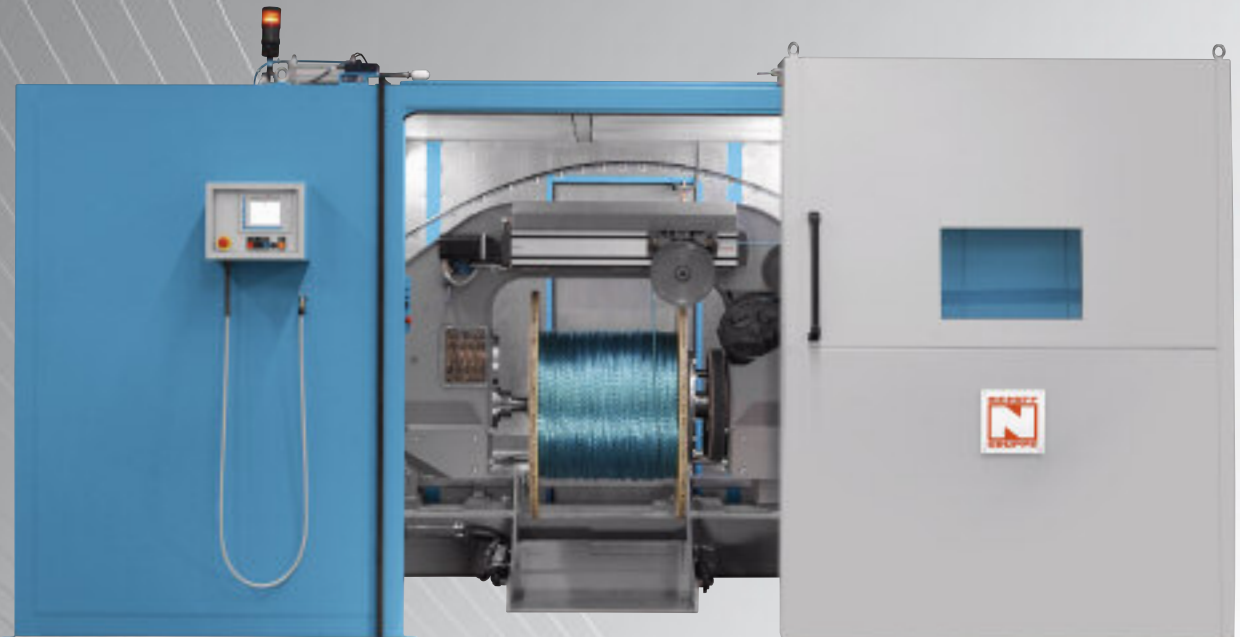


# DSI 1001

## Double Twist Stranding Machine



NIEHOFF – worldwide  
most advanced technology for  
the wire and cable industry



## For production of the highest quality data and communications cables

- user-friendly operation through infinitely variable adjustment of the production parameters at the control panel (number of twists, lay length, twist diameter, traverse width correction)
  - spool clamping: via spring loaded pintle with pneumatic release
  - good accessibility in the spool carrier for easy insertion of the product
  - product can be hauled off directly via the spool
  - all drives feature three-phase AC drive technology and digital technology, offering precise synchronization and reduced maintenance by virtue of contactless data transfer
  - maximum production reliability and production quality (overturn monitoring, wire break sensors and length measurement
- in the spool carrier, monitoring of the bearing temperature)
  - optimum use of space with the machine available in left and right-hand versions
  - rotor bow made of carbon-fibre-reinforced plastic (CFRP) with exchangeable sliding band and optimized guidance of the product
  - use of a single bow system for reduced energy consumption and reduced noise emission
  - designed for the production of pairs, quads and cable bundles to the highest quality standards and for the twisting of bundles and data cables
  - prepared for application of shielding with Al-laminated polyester film



**NIEHOFF** – your partner with a worldwide service and sales network.  
Our experienced customer support team is always on hand.

## Technical data

max. production speed (m/min.):	300 (985 fpm)
production range	
lay length infinitely variable (mm):	20 ... 400
max. no. of twists, infinitely variable (twists/min):	3200
spool dimensions	
max. spool flange dia. (mm):	1000
total length (mm):	750
multiwire bundle	
twist aperture (mm):	16
single conductor, solid:	AWG 26 ... AWG 13
single conductor, flexible:	AWG 23 ... AWG 10
drive for	
rotor bow:	standard AC motor
winding spool:	AC servo motor
sound pressure level (dB A):	80
(acc. to EN ISO 3743-2 and DIN 45635-1)	
machine dimensions (W x D x H) in m:	4.5 x 2.5 x 2.3
weight (kg):	approx. 7000

(We reserve the right to modify technical specifications according to technical improvement and advances.)

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