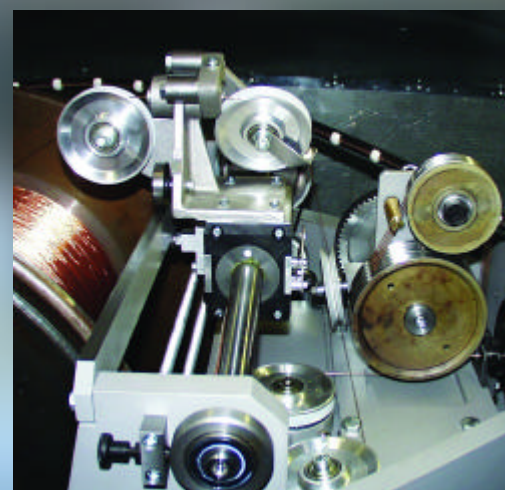
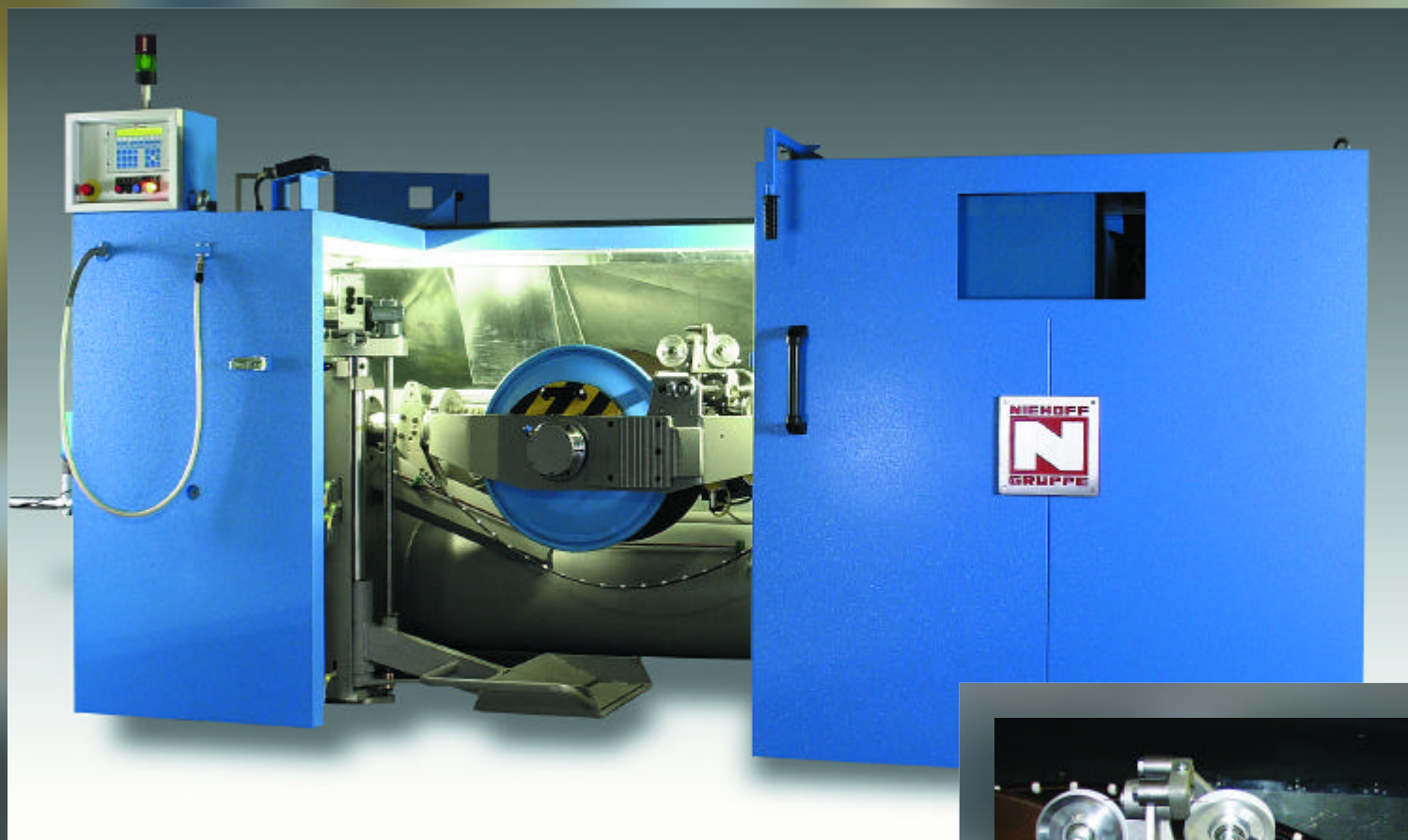


# Double Twist Bunching Machine



D 561 A / D 631 A  
D 761 A / D 801 A

High production reliability,  
combined with innovative  
product development



Machines  
Systems  
Know-how  
Worldwide

D 561 A / D 631 A  
D 761 A / D 801 A

## High Productivity and increased Economic Efficiency

- Free programmable control (PLC) and text display
- Adjustable winding force, control by load cell in the spool carrier
- Spool clamping: according to safety regulations by spring loaded pintle, released pneumatically
- Simple string-up by easy access to the spool carrier
- Maximum production flexibility by pull-off capstan with individual drive without change gears
- All drives with AC-motors and digital technique, precise synchronisation and reduced maintenance by contactless data transfer
- Utmost production safety (overturn protection, wire break probe, monitoring of bearing temperature and length measuring in the spool carrier)
- Foundation-free installation on vibration elements
- Optimum use of space of either left-hand or right-hand machine version
- Rotor bow from carbon fibre synthetic (CFC) with exchangeable wearing band
- Reduced energy consumption and reduced noise emission by use of only one rotor bow
- Most simple operation by infinite adjustment of the production parameters at operator's panel (winding force, traverse width, lay length)
- Designed for production of fine strands with high quality demands (e.g. round strands with concentric construction)
- Die holders for compacting die or additional die position for core control in the spool carrier

### Technical data (for copper soft)

Type	D 561 A with pull-off capstan	D 631 A with pull-off capstan	D 761 A with pull-off capstan	D 801 A with pull-off capstan
Strand cross section:	0.055...2.50 mm <sup>2</sup>	0.09...6.00 mm <sup>2</sup>	0.09...6.00 mm <sup>2</sup>	0.25...16.00 mm <sup>2</sup>
Lay length (steplessly adjustable):	2...60 mm	6...100 mm	6...100 mm	15...160 mm
Number of twists (steplessly adjustable):	max. 7000 1/min	max. 6500 1/min	max. 5600 1/min	max. 5000 1/min
Spool dimensions				
flange- Ø:	max. 560 mm	max. 630 mm	max. 760 mm	max. 800 mm
spool width :	max. 425 mm	max. 475 mm	max. 475 mm	max. 600 mm
Production speed:	max. 200 m/min	max. 300 m/min	max. 300 m/min	max. 450 m/min
Drive:				
rotorbow	AC-Norm Motor	AC-Norm Motor	AC-Norm Motor	AC-Norm Motor
winding spool	AC-Servo Motor	AC-Servo Motor	AC-Servo Motor	AC-Servo Motor
Noise level transmission as per DIN 45635:	max. 80 dBA	max. 82 dBA	max. 82 dBA	max. 82 dBA
Dimensions (l x d x h):	2.7 x 1.53 x 1.43 m	3.0 x 1.68 x 1.6 m	3.1 x 1.80 x 1.75 m	3.8 x 2.08 x 2.10 m
Weight (incl. noise protection cabin and operator-panel):	approx. 2200 kg	approx. 3000 kg	approx. 3200 kg	approx. 4000 kg

We reserve the right to modify according to technical improvement.

MASCHINENFABRIK NIEHOFF  
GmbH & Co. KG  
Fürther Str. 30  
D-91126 Schwabach, Germany  
Telephone 0 91 22 / 977 - 0  
Telefax 0 91 22 / 977 - 155  
e-mail info@niehoff.de  
Internet www.niehoff.de

NIEHOFF ENDEX NORTH AMERICA INC.

Headquarters Sales and Service  
1 Mallard Court  
Swedesboro, NJ 08085 USA  
Telephone (856) 467-4884  
Telefax (856) 467-0584  
e-mail sales@niehoffendex.com

MASCHINENFABRIK NIEHOFF  
GmbH & Co. KG  
Singapore Representative Office  
122 Middle Road, # 04-04 Midlink Plaza  
Singapore 188973  
Telephone 3369936  
Telefax 3364070  
e-mail niehoff@pacific.net.sg

MASCHINENFABRIK NIEHOFF  
GmbH & Co. KG  
Schwendener Str. 25  
D-87616 Marktobendorf/Leuterschach,  
Germany  
Telephone 0 83 42 / 70 08 - 0  
Telefax 0 83 42 / 70 08 - 40  
e-mail info@niehoff.de

Engineering and Manufacturing  
1695 Oak Street  
Lakewood, NJ 08701 USA  
Telephone (732) 363-4242  
Telefax (732) 364-5958  
e-mail engineering@niehoffendex.com

NIPPON NIEHOFF Co., Ltd.  
17, Kanda Tomiyama-Cho Chiyodo-Ku  
Tokio, 101, Japan  
Telephone 3 / 32 57 - 09 11  
Telefax 3 / 32 57 - 09 10

NIEHOFF-HERBORN MÁQUINAS Ltda.  
CP 84 (Rua Mar Vermelho no 780)  
O 64 12 - 140 Barueri S.P., Brasil  
Telephone 11 / 41 98 43 22  
Telefax 11 / 41 98 42 34  
e-mail diret@niehoff.com.br

NIEHOFF of INDIA Private Limited  
First Floor  
Swapnalok Complex  
92-93, Saronjini Devi Road  
Secunderabad - 500 003  
India  
Telephone 40 / 7 81 46 00  
Telefax 40 / 7 81 07 02

MASCHINENFABRIK NIEHOFF  
GmbH & Co. KG. Germany  
Shanghai Representative Office  
Room1803, HongKong Plaza,  
283 Huai Hai Zhong Road  
Shanghai/P.R. China, 200021  
Telephone 21 / 63 90 61 91  
Telefax 21 / 63 90 61 92  
e-mail nssc@public1.sta.net.cn