

HIGH SPEED DOUBLE TWIST MACHINES

MODEL No.	M E D	Mechanical Tension Electronic Tension Electronic Lay	B450 ^E	B500 ^E	B560 ^E	B630 ^{E D}	B760 ^E	SLB800 ^{D M}	SLB1000 ^{E D}	SLB1250 ^{D E}	SLB1600 ^{E D}	DTS1800 ^E	
Max Take-up Reel mm			450	500	560	630	760	800	1000	1250	1600	1800	
ins			18	20	22	24	30	36	42	54	66	72	
Max Twists Per Minute			7000	7000	7000	6000	5000	5000	2800	1800	1400	1200	
Plain Annealed Copper Wire Size													
SPEED IN TWISTS / MINUTE	Fine wire down to 0.073 sq mm (30 AWG)												
	0.5 sq mm (20 AWG)					5500	4500						
	1.0 sq mm (18 AWG)		6000	6000	6000	5500	4500	4500					
	1.5 sq mm (16 AWG)					5000	4500	4300	2800				
	2.0 sq mm (14 AWG)					4500	4100	4000	2800				
	4.0 sq mm (12 AWG)					4200	4000	3800	2800				
	6.0 sq mm (10 AWG)					3800	3600	3600	2800	1800			
	10 sq mm (8 AWG)							3400	2800	1800	1400		
	16 sq mm (6 AWG)							3000	2800	1800	1200		
	25 sq mm (4 AWG)								2500	1500	1200	1200	
	35 sq mm (2 AWG)								2100	1350	1200	1200	
	40 sq mm (1 AWG)								1800	1300	1200	1200	
	50 sq mm (1/0 AWG)								1500	1250	1080	1200	
	70 sq mm (2/0 AWG)									1000	1000	1000	
85 sq mm (3/0 AWG)										850	950	950	
95 sq mm (4/0 AWG)											650	900	900
Max 150 sq mm												600	
Max Lay-up Diameter													
mm						7	7	12	17	25	28	32	
ins						0.28	0.28	0.47	0.67	1.00	1.1	1.25	
Take up Reel Orientation													
Front View													
L-R or R-L Version Available													
Max Reel Weight Kg			250	325	450	650	700	1500	3000	5000	8000	10000	
Lay Change Gears			Lay Change by Capstan Wheel and/or Change Gears			●	●	●	●	●	●	●	
Optional Digital Lay Control						★		★	★	★	★		
Compress / Compact						★	★	★	★	★	★	★	
Sector Shaping									★	★	★	★	
Rotor Drive kW				11 (AC drive)		20	20	34	58	65	100	100	
AC Main Drive				●		★							
Machine Dimensions Width mm			1860			1940	2040	2100	2360	3055	3385	3705	
ins			73			76	80	83	93	120	133	146	
Length mm			2680			3600	3700	3800	5700	6940	7900	10350	
ins			106			142	146	150	224	273	311	407	
Height mm			1665			1650	1795	1830	2150	2550	3200	3350	
ins			66			65	71	72	85	100	126	132	
Approx Machine Weight Kg			3000			3700	4000	6000	15000	23000	30000	33000	
Noise Level			<82dBA			<82dBA	<82dBA	<82dBA	<82dBA	<82dBA	<82dBA	<82dBA	
Mechanical Take-up Tension Control						★		●	★	★	★	★	
Electric/D.C. Motor Take-up Tension				Electromagnetic Clutch			●	●	●	●	●	●	
Remote Traverse Adjustment						★ E only	★ E only			★	★	★	
Wire Break Sensor on Frame						●	●	●	●	●	●	●	
Wire Break Sensor in Cradle			●			★	★	★	●	●	●	●	
Traverse Monitor			★			★	★	★	★	★	★	★	

All speeds and data are given for guidance only and do not imply any specific guarantee of performance. Output will depend on the quality of wire and the type of pay-off equipment. NMC reserve the right to change specification without notice.

A Complete Range
Northampton's range covers applications from fine wire bunching or twinning onto 450mm reels, through to high speed power cable stranding onto 1800mm (72") reels. Whatever your requirement, we have a machine and experience to offer.

Latest Technology
Constant development has given detailed insight into the behaviour of materials and components at the very high speeds involved in the double twist process. Our work on 19 wire stranding and use of multiwire pay-offs has been pioneering, as shown by our complimentary range of tension control and pay-off devices.

Versatility
Our customers use our machines for bare wire bunching, stranding, laying up, twinning, with taping and binding. We have helped them produce ever more complex and precise constructions taking advantage of the high productivity of double twisting.

Environment
Low noise levels; aesthetic guarding with integral controls; reduced energy consumption, easy opening but well sealed doors - all are features of Northampton's designs.

Ease of Use
Easy threading up; rapid change lay gears without tools; clear access and simple reel loading and unloading.

Lower Costs
All the above will help you minimize costs of production, and on installation our integral controls and special lift platform designs enable delivery of a completely assembled and tested machine for installation on to a flat floor (no excavation required).

Safety
All equipment is fully interlocked to latest safety requirements and we can usually incorporate specific local regulations.

CE
Equipment conforms with the Supply of Machinery (Safety) Regulations 1992 as directed by the EC Machinery Directive (89/392/EEC) and as amended by Directives 91/368/EEC, 93/44/EEC and the CE Marking Directive 93/68/EEC.

Service and more...
Spares and service are handled by our UK, USA and S.E. Asia offices, and Agents worldwide, so that our reaction for service can be fast in any country. As part of the EIS Group p.l.c., a major international group of precision engineering companies spread throughout the world, we are able to back you up wherever you may be.