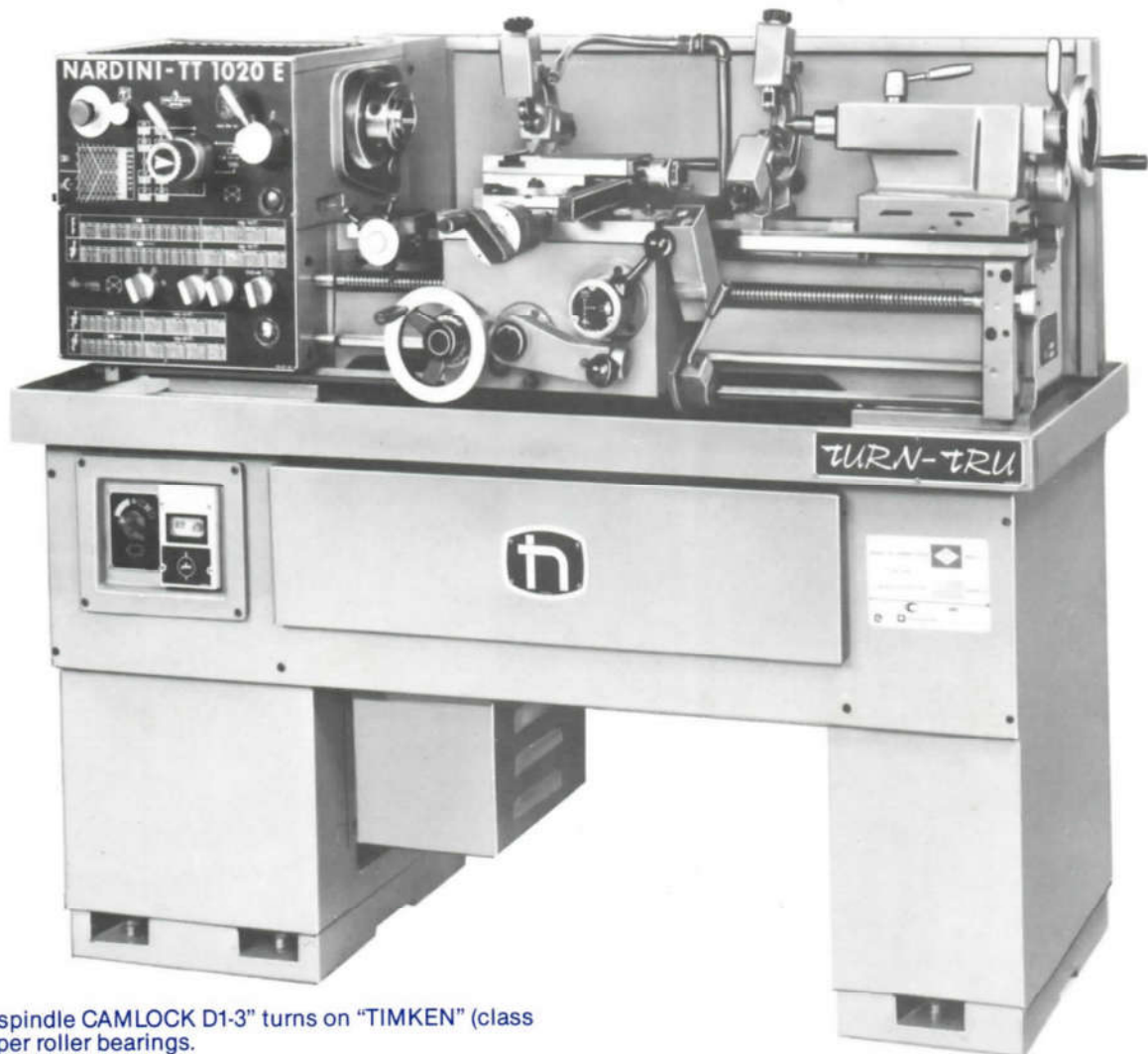


INDUSTRIAL & TRAINING LATHE

“TURN-TRU”

-1000 SP-S/E -1200 SP-S/E
TT-1000 SS-S/E TT-1200 SS-S/E
-1000 S/E -1200 S/E

NARDINI



- The spindle CAMLOCK D1-3" turns on "TIMKEN" (class 3) taper roller bearings.
- Spindle speeds are in geometric progression.
- Automatic longitudinal and transversal disengage increases productivity.
- Dual reading inch/metric dials.
- D-tenth control lever for maximum safety.
- One piece induction hardened and ground bed ways.
- Universal gear box, Headstock and Apron lubrication system consists of automatic pump and oil bath with sight glass.

- The electrical panel conforms to "JIC STANDARD" or electrical panel with circuit brake protection.
- Graduated quill (inch/metric)
- Electromagnetic brake.
- "KLOCKNER MOELLER" and "TELEMECANIQUE" electrical components.
- All test conditions and deviations are according to the ISO norm 1708-1979 (E).

SPECIFICATIONS

	- 1000 SP-S/E TT - 1000 SS-S/E - 1000 S/E		- 1200 SP-S/E TT - 1200 SS-S/E - 1200 S/E	
	inches	mm	inches	mm
CAPACITY				
Height of centers	5	128	6	152
Distance between centers	20 - 30 - 40	500 - 750 - 1000	20 - 30 - 40	500 - 750 - 1000
Swing over bed	10	255	11.13/16	300
Swing over wings of saddle	9	230	10.7/8	275
Swing over cross slide	6	150	7.13/16	198
Cross slide travel	7	180	7	180
Top slide travel	3.3/4	95	3.3/4	95
Tool section	5/8 x 5/8	16 x 16	5/8 x 5/8	16 x 16
BED				
Width	7.7/8	200	7.7/8	200
Height	8.1/2	220	8.1/2	220
HEADSTOCK				
Spindle nose (CAMLOCK)	D1-3"	D1-3"	D1-3"	D1-3"
Spindle bore	1.3/8	35	1.3/8	35
Spindle internal taper	1:20	1:20	1:20	1:20
Taper in reduction sleeve (MT)	3	3	3	3
Spindle speeds (number): Version "S"	8	8	8	8
Version "E"	16	16	16	16
Speeds range: Version "S" - Single Phase (RPM)....	80 to 2000	80 to 2000	80 to 2000	80 to 2000
Version "E" - Single Phase (RPM)....	63 to 2000	63 to 2000	63 to 2000	63 to 2000
Version "S" - 3 Phase (RPM)	80 to 2000	80 to 2000	80 to 2000	80 to 2000
Version "E" - 3 Phase (RPM)	40 to 2000	40 to 2000	40 to 2000	40 to 2000
TAILSTOCK				
Quill diameter	1.5/8	40	1.5/8	40
Quill travel	6	150	6	150
Quill internal taper (MT)	3	3	3	3
Lateral adjustment	3/8	10	3/8	10
GEAR BOX				
Number of threads	96	96	96	96
Metric threads (mm)	(16) 0.3 - 4.0	(16) 0.3 - 4.0	(16) 0.3 - 4.0	(16) 0.3 - 4.0
Inch threads (T.P.I.)	(32) 88-6	(32) 88-6	(32) 88-6	(32) 88-6
Module threads (Mod)	(16) 0.187 - 2.50	(16) 0.187 - 2.50	(16) 0.187 - 2.50	(16) 0.187 - 2.50
Diametral pitch threads (DP)	(32) 176-12	(32) 176-12	(32) 176-12	(32) 176-12
Pitch of leadscrew (TPI)	4	4	4	4
FEEDS RANGE				
Number of feeds	128	128	128	128
Cross feeds (64)	0.0013 - 0.029 in/rev	0.034 - 0.739mm/rev	0.0013 - 0.029 in/rev	0.034 - 0.739mm/rev
Longitudinal feeds (64)	0.0027 - 0.0582 in/rev	0.068 - 1.478mm/rev	0.0027 - 0.0582 in/rev	0.068 - 1.478mm/rev
MOTORS				
Single phase (HP)	1.5	1.5	1.5	1.5
3 Phase (HP)	2	2	2	2

AVAILABLE VERSIONS

	MODEL	DESCRIPTIONS
INDUSTRIAL TYPE COLUMN - STANDARD	TT-1000/1200 S	• 3 phase • 8 spindle speeds (one speed motor)
	TT-1000/1200 E	• 3 phase • 16 spindle speeds (two speeds motor)
BENCH LATHE TYPE COLUMN - OPTIONAL	TT-1000/1200 SS-S	• 3 phase • 8 spindle speeds
	TT-1000/1200 SS-E	• 3 phase • 16 spindle speeds [two ranges (by belt changing) of 8 spindle speeds each]
	TT-1000/1200 SP-S	• Single phase • 8 spindle speeds
	TT-1000/1200 SP-E	• Single phase • 16 spindle speeds [two ranges (by belt changing) of 8 spindle speeds each]

CHARACTERISTICS AND STANDARD EQUIPMENT

- One piece induction hardened and ground bed
- Five positions turret stop device (automatic longitudinal disengage)
- Top slide with "T" slot
- Chip pan
- Change gears
- Columns (TT-1000 S/E and TT-1200 S/E)
- Two MT3 hardened centers
- Spindle reduction sleeve 1:20 x MT3
- Color: green RAL-6011
- Manual lubrication pump
- Service wrenches
- Set of leveling screws (TT-1000 S/E and TT-1200 S/E)
- Complete electrical equipment
- Operating and parts manual.

CHARACTERISTICS AND OPTIONAL EQUIPMENT

- Lighting system
- Four independent jaw chuck Ø 6" (130 mm)
- Coolant system
- Three jaw universal chuck Ø 5" (125 mm)
- Splash guard
- Steady rest with bearings [interchangeable bronze tips Ø 3/8" (8 mm) to 2.3/4" (70 mm)]
- Follow rest with bearings [interchangeable bronze tips Ø 3/8" (8 mm) to 2" (50 mm)]
- Dual reading inch/metric dial
- Automatic transversal disengage
- Graduated quill (inch/metric)
- Chuck guard
- Chip guard
- Faceplate Ø 8.7/16" (215 mm)
- Micrometer stop
- Columns (TT-1000 SP-S/E, TT-1200 SP-S/E, TT-1000 SS-S/E and TT-1200 SS-S/E)
- Four way turret tool post
- Electromagnetic brake
- Electrical panel with circuit brake protection
- Driving plate Ø 5" (125 mm)
- Thread cutting indicator
- Rear tool post
- Quick change tool holder
- Taper turning attachment [capacity 10° x 8" (200 mm)]
- Other equipment on special request.

