

CENTERLINE TILTING

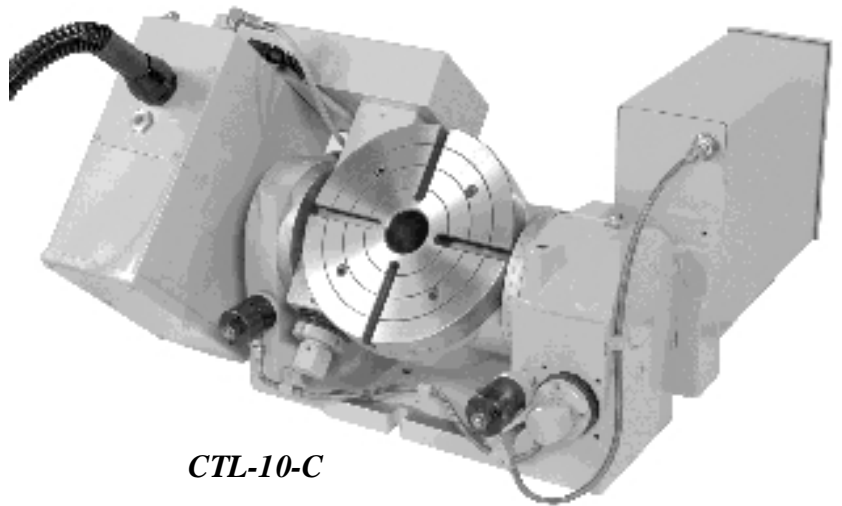
A MODEL - (MANUAL TILT / MANUAL ROTARY)

B MODEL - (MANUAL TILT / NC POWERED ROTARY)

C MODEL - (NC POWERED TILT / NC POWERED ROTARY)

STANDARD FEATURES:

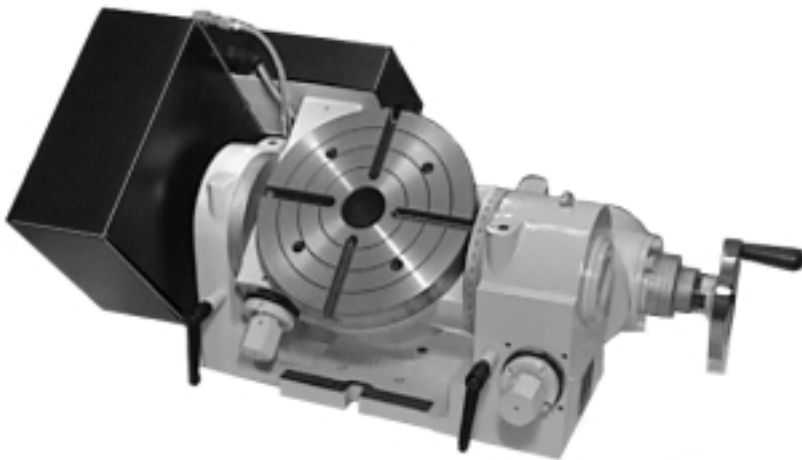
- DUAL LEAD WORMSET ALLOWS FOR SIMPLE BACKLASH ADJUSTMENT
- TIN-BRONZE WORMWHEEL MESHING WITH A HARDENED AND GROUND STEEL-ALLOY WORMSHAFT RUNNING IN A BATH OF OIL
- HIGH PRECISION SPINDLE BEARINGS
- TURCITE BEARING SURFACE
- INTERNAL PNEUMATIC BRAKE
- PRECISION GROUND SURFACES
- ZERO RETURN / HOME SWITCHES
- +/- OVERTRAVEL LIMIT SWITCHES ON NC TILT AXIS
- MS CABLE RECEPTACLES



CTL-10-C

OPTIONAL FEATURES:

- CHUCK - MANUAL OR PNEUMATIC
- COLLET FIXTURE - MANUAL OR PNEUMATIC
- SINGLE AXIS PROGRAMMABLE CONTROL
- CABLES - FOR INTERFACING TO MACHINE TOOL
- MANUAL, PNEUMATIC, OR HYDRAULIC BRAKE
- AIR-OVER-HYDRAULIC UNIT (AHU)



CTL-10-B

CUSTOM SPECIFIED FEATURES:

- OVERSIZE CENTER THRU HOLES (CTL-10 ONLY)
- DIRECT SPINDLE MOUNT POSITION FEEDBACK (HEIDENHAIN OR INDUCTOSYN) (ROTARY AXIS ONLY)

CTL - SERIES

SPECIFICATIONS - ROTARY AXIS						
MODEL	CTL-6.5-A	CTL-6.5-B	CTL-6.5-C	CTL-10-A	CTL-10-B	CTL-10-C
TURNTABLE DIAMETER [MM]	6.50 [165]	6.50 [165]	6.50 [165]	10.00 [254]	10.00 [254]	10.00 [254]
STANDARD THRU HOLE DIA [MM]	1.181 [30.0]	1.181 [30.0]	1.181 [30.0]	1.968 [50.0]	1.968 [50.0]	1.968 [50.0]
OVERSIZE THRU HOLE DIA [MM]	N/A	N/A	N/A	3.000 [76.2]	3.000 [76.2]	3.000 [76.2]
MAXIMUM LOAD CAPACITY [KG]	75 [34]	75 [34]	75 [34]	150 [68]	150 [68]	150 [68]
FACEPLATE T-SLOT WIDTH [MM]	.47 [12] X 4	.47 [12] X 4	.47 [12] X 4	.47 [12] X 4	.47 [12] X 4	.47 [12] X 4
STANDARD TOTAL GEAR RATIO	90:1	90:1	90:1	90:1	180:1	180:1
MAX. SPEED RANGE (STD RATIO)	N/A	0-20 RPM	0-20 RPM	N/A	0-10 RPM	0-10 RPM
CONTINUOUS TORQUE LBS-FT[NM]	N/A	75 [101]	75 [101]	N/A	300 [42]	300 [42]
BRAKE METHOD	PNEUMATIC	PNEUMATIC	PNEUMATIC	PNEUMATIC	PNEUMATIC	PNEUMATIC
BRAKE TORQUE LBS-FT [NM]	125 [169]	125 [169]	125 [169]	300 [407]	300 [407]	300 [407]
PROGRAMMABLE RESOLUTION	N/A	.001 DEG.	.001 DEG.	N/A	.001 DEG.	.001 DEG.
STD. TOTAL ANGULAR ACCURACY	+/-60 SEC.	+/-60 SEC.	+/-60 SEC.	+/-30 SEC.	+/-30 SEC.	+/-30 SEC.
STD. REPEATABILITY	+/-10 SEC.	+/-10 SEC.	+/-10 SEC.	+/-10 SEC.	+/-10 SEC.	+/-10 SEC.
UNIT WEIGHT LBS [KG]	200 [91]	200 [91]	200 [91]	300 [136]	300 [136]	300 [136]
SHIP WEIGHT LBS [KG]	275 [125]	275 [125]	275 [125]	375 [170]	375 [170]	375 [170]

SPECIFICATIONS - TILT AXIS						
MODEL	CTL-6.5-A	CTL-6.5-B	CTL-6.5-C	CTL-10-A	CTL-10-B	CTL-10-C
STANDARD TOTAL GEAR RATIO	180:1	180:1	180:1	180:1	180:1	180:1
MAX. SPEED RANGE (STD RATIO)	N/A	N/A	0-1 RPM	N/A	N/A	0-1 RPM
BRAKE METHOD	MANUAL	MANUAL	PNEUMATIC	MANUAL	MANUAL	*HYDRAULIC
BRAKE TORQUE @ 100 PSI LBS-FT [NM]	125 [169]	125 [169]	200 [270]	200 [270]	200 [270]	200 [270]
MAXIMUM TILT AXIS TRAVEL	-5 / +100 DEG	-5 / +100 DEG	-5 / +100 DEG	-5 / +110 DEG	-5 / +110 DEG	-5 / +110 DEG
CENTER HEIGHT @ 90 DEG POSITION	4.75 [120.7]	4.75 [120.7]	4.75 [120.7]	7.00 [177.8]	700 [177.8]	7.00 [177.8]
TURNTABLE HEIGHT @ 0 DEG POSITION	8.00 [203]	8.00 [203]	8.00 [203]	10.06 [256]	10.06 [256]	10.06 [256]
STD. TOTAL ANGULAR ACCURACY	+/-60 SEC.	+/-60 SEC.	+/-60 SEC.	+/-60 SEC.	+/-60 SEC.	+/-60 SEC.
STD. REPEATABILITY	+/-10 SEC.	+/-10 SEC.	+/-10 SEC.	+/-10 SEC.	+/-10 SEC.	+/-10 SEC.