

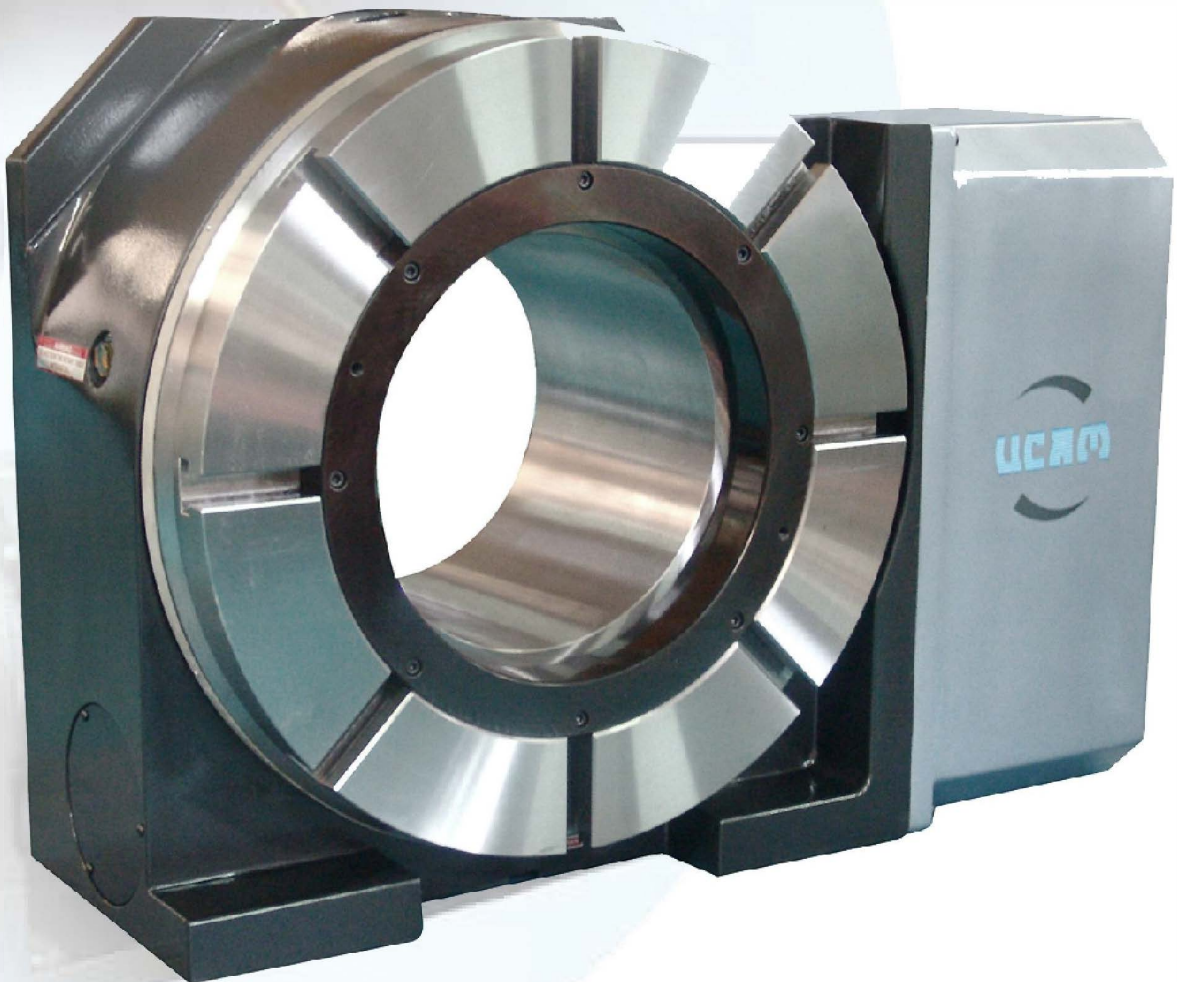


PRODUCT & PROCESS ENGINEERING



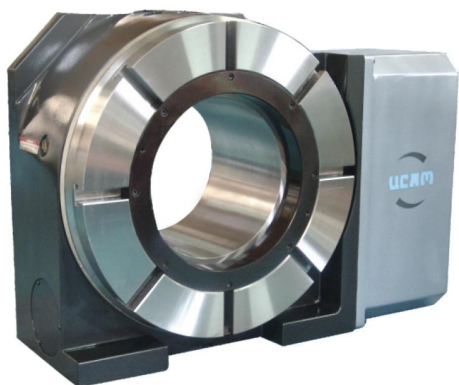
Engineering Excellence. Exactly.

LARGE BORE ROTARY TABLE



**Rotary Indexing
Solutions**

LARGE BORE ROTARY TABLE



Features:

- Hydraulic Clamping
- High Grade C I Construction
- Dual Lead Worm Gear Set
- Motor mounting & Drive elements to suit motor
- Vertical mounting
- Option available with Vertical / Horizontal mounting

Specification

Model		ULBR-320	ULBR-400	ULBR-500	ULBR-630	ULBR-800
Turn Table diameter (mm)		Ø 320	Ø 400	Ø 500	Ø 630	Ø 800
Table Center height (mm)		210	230	290	350	440
Center Bore diameter (H7) (mm)		Ø 115	Ø 150	Ø 280	Ø 350	Ø 260
Thru Bore (mm)		Ø 110	Ø 140	Ø 270	Ø 340	Ø 254
T-Slot size (mm)	Ref slots (H7)	14x2	14x2	18x2	18x2	18x2
	Other slots (H8)	14x6	14x6	18x6	18x6	18x6
Tenon Slot size (H7) (mm)		18	18	18	22	22
Servo Motor Torque (Nm)		6	9	12	12	16
Speed Reduction ratio		1:180	1:180	1:144	1:180	1:300
Table Gyration angle/pulse		0.001°	0.001°	0.001°	0.001°	0.001°
Table Rotation speed (rpm)		(Motor 3000 rpm)				
Load capacity (kg)	Horizontal	600	750	1200	1300	3000
	Vertical	250	350	500	635	1200
	With tailstock support	600	750	1200	1300	3000
Max. Thrust load (N)	Horizontal	24000	30000	30000	34000	40000
	Vertical	8500	10000	9350	10000	20000
Tilting moment (Nm)	Horizontal (FxL)	3000	4500	5000	6800	10000
	Vertical (FxL)	2000	2400	2500	2900	5000
Clamp Torque (Nm)	Hydraulic @ 30 bar	1100	2000	2300	2700	3500
Driving Torque (Nm)		636	800	1000	1800	2200
Allowable work Inertia	(kg.m ²)	34	44	52	70	110
Indexing Accuracy(Arc Sec)		±15"	±15"	±15"	±15"	±15"
Repeatability (Arc Sec)		4"	4"	4"	4"	4"
Net Weight (kg) (approx)		200	250	500	675	1300

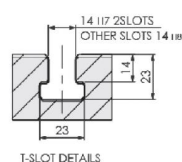
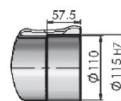
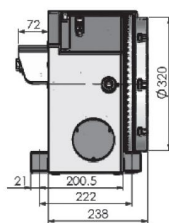
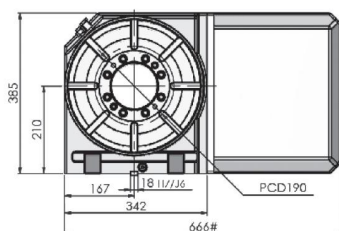
Larger thru bore size available on request

[#]Servo Motor at 2000 rpm

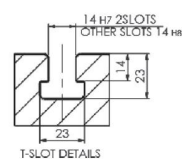
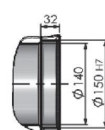
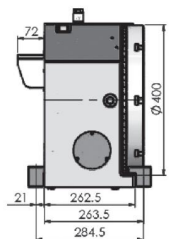
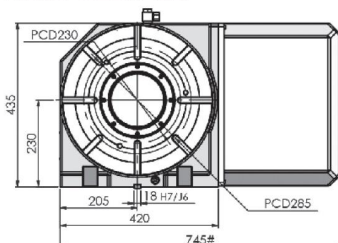
^{##} Option available with pressurisation - Please contact us

DIMENSIONAL DIAGRAMS

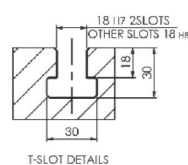
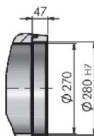
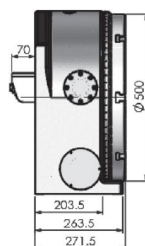
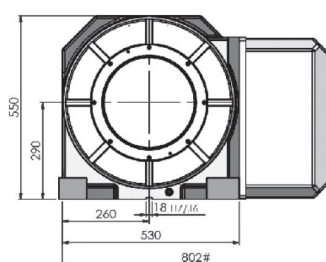
Model ULBR-320



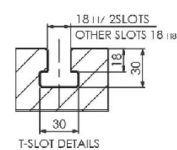
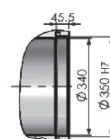
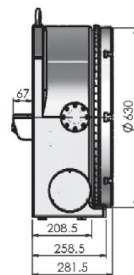
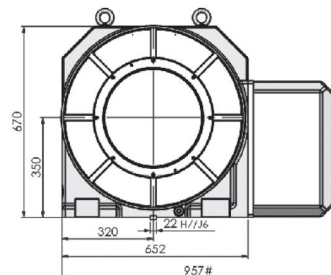
Model ULBR-400



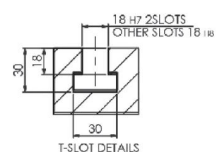
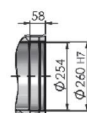
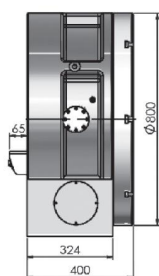
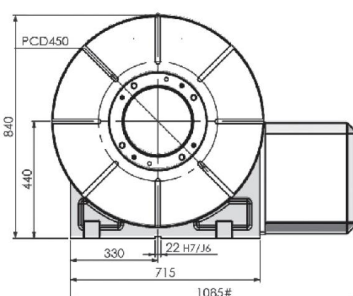
Model ULBR-500



Model ULBR-630



Model ULBR-800



Dimension marked as # is dependent on motor being used



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PRODUCT & PROCESS ENGINEERING

UCAM PVT. LTD.

A11/A12, 1st Stage, 1st Cross,
Peenya Industrial Area,
Bangalore - 560 058.
Tel: +91-80-40744777
Fax: +91-80-40744711
Email: sales@ucamind.com
info@ucamind.com
Website: www.ucamind.com

Branch Offices - India

New Delhi:

Mobile: +91 93122 21276
Email: delhi@ucamind.com

Pune:

Mobile: +91 93701 47332
Email: ucampune@ucamind.com

Ahmedabad:

Mobile: +91 98252 15740
Email: gujarat@ucamind.com

Bangalore:

Mobile: +91 93422 53905
Email: bangalore@ucamind.com

Chennai:

Mobile: +91 72999 98293
Email: chennai@ucamind.com

UCAM GmbH

Albert-Einstein-Straße 2,
70806 Kornwestheim,
Germany.
Fon +49 7154 81604-50
Fax +49 7154 81604-40
Email: mail@ucamonline.com
Website: www.ucamonline.com

International Sales

Mobile: +39 34265 46496
Email: pennetta@ucamind.com

Mobile: +91 98865 55508
Email: karthik.r@ucamind.com



Catalogue No. UCAM-Gen-2015/I

UCAM reserves the right to change specifications and dimensions without prior information.

UCAM Website