

WHY pL LEHMANN

ADVANTAGES: pL LEHMANN VS. OTHER COMPETITORS

1.1 Light Weight & Compact Design

Lehmann Rotary Table: EA510.L

1) Low weight	: 35 Kg
2) Length	: 333 mm
3) Height	: 215 mm
4) Width	: 150 mm

Other Competitors: Similar Model

1) Heavy	: 85 / 115 Kg
2) Length	: 522 mm
3) Height	: 385mm
4) Width	: 316mm

1.2 High operating speed with Low Cycle Time

Lehmann Rotary Table: EA510.L

1) High Operating speed	: 80 /160 min ⁻¹
2) 90° Indexing	: 0.31 /0.23 Sec
3) 180° Indexing	: 0.47 /0.31 Sec
4) Feed Rate	: 250 / 150 Nm

Other Competitors: Similar Model

1) Slower operating speed	: 33.3 min ⁻¹
2) 90° Indexing	: 0.9 Sec (Approx.)
3) 180° Indexing	: 1.5 Sec (Approx.)
4) Feed Rate	: 144 Nm

1.3 Load Carrying Capacity & Other Parameters:

Lehmann Rotary Table: EA510.L

1) W/o Counter Bearing Support	: 200 Kg
2) With Counter Bearing Support	: 400 Kg
3) Clamping Torque	: 800/1600 Nm
4) Pull-Out Torque	: 2000 Nm

Other Competitors: Similar Model

1) W/o Counter Bearing Support	: 175 Kg
2) With Counter Bearing Support	: 350 Kg
3) Clamping Torque	: 588/1568 Nm
4) Pull-Out Torque	: 900 Nm

1.4 Clamping System & other Technical Points:

Lehmann Rotary Table: EA510.L

1) Clamping by input air 6bar boosted by Hydraulic to 220bar (Standard Feature for All Lehmann RT)
2) Clamp Time: 120 ms Unclamp Time: 60 ms
4) Clamping Area on spindle is very large and closes to the work piece
5) No Parameter setting required for Delay in clamping.

Other Competitors: Similar Model

1) Hydraulic clamping is optional & Price Higher
3) Clamp Time: 1000 ms Unclamp Time: 750 ms
2) Clamping disk diameter is much smaller and away from the work piece.
3) Parameter necessarily need to be set 500 ms delay

1.5 Additional Features:

S.No:	Description:	Lehmann Rotary Table:	Other Competitors:
1	Remote service access	USB Slot with Software for Offline Service Support	Not Available
2	Wire Guide Gland	150 Deg Rotating Wire Guide	Fixed wire guide
3	Sealing	Sealing to IP67 (IP68) clause	IP54 with Air purge Concept
4	Maintenance Data	Black box – Ready for IOT 4.0	Not Available
5	Maintenance	Service Access Cover	Not Available
6	Operator identification	LED indication for easy maintenance	Not Available
7	Modular Concept & Easy convertible	Easily convertible from 4th axis to 5th axis by addition of special plates along with 5th Axis table	Completely new table with 4 th & 5 th need to be purchase
8	Backlash	Factory set negative backlash, No adjustment required for 20,000 Hrs / 20 Million 90° Cycles.	Positive backlash and setting have to be checked for every 2 Million Cycles / 1600 Hrs
9	Axial & Radial Bearing	Two sets of Axial & Radial Bearing Support	Only One set of Axial & Radial Bearing.

1.5 Additional Features In Lehmann Rotary table:

unique

blackBOX – for Industry 4.0

- + Measurement of speed, internal pressure in the motor housing, temperature, humidity and shocks
- + Monitoring and control of spindle clamping system
- + History of important data with a realtime clock
- + Quick location of malfunctions and preventative maintenance
- + Increases availability and reduces maintenance costs
- + Connection for remote maintenance

For details see operating manual

USB slot

unique

- + Fast, simple data output for evaluation on a PC in case of malfunction
- + Licensing possibility with registration code via USB stick (OEM feature)
- + Fully sealed, placed in well protected location
- + PC connection for remote diagnostics

best of

Drive motor

- + One single housing (2 lengths) for all motors: Fanuc, Mavilor (Siemens, Heidenhain), Yaskawa, Sanyo, Melder/Mitsubishi
- + Motors are easy to replace

OEM

USE

S

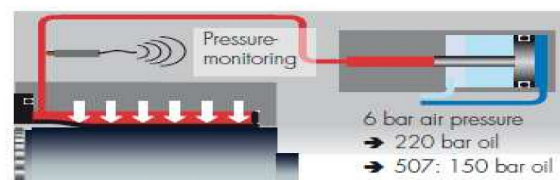
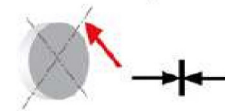
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Clamping torque

+115% +236%

- + Ultra-fast, monitored, strong, only 6 bar air pressure



Fully integrated BRAKY pressure intensifier

Fully sealed IP 67 (IP 68)

- + All models are fully sealed
- + Spindle housing with pressurized oil lubrication system
- + Additional spindle labyrinth seal (optional) for use with high pressure coolant (e.g. production grinding) and aggressive materials such as glass, graphite, ceramic, etc.

best of



OEM

USE

S

GD

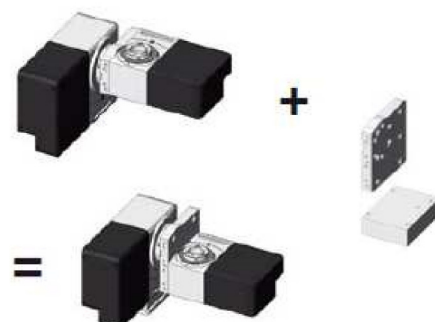
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Highest level of flexibility

unique

- + Standard machine in stock, available at short notice, equipped with matching rotary table
- + Rotary table is readily available and can be converted by the OEM
- + If the needs change, the investment is not lost
- + Pay in installments: First, the machine later the rotary table - can be retrofitted at any time

TF fix → TF vario



Warranty:

- 1) All Rotary Table are provided with 24 Months Warranty provided Compulsory registration of the Rotary Table is done on our Website. This is also subject to proper Maintenance procedure.
- 2) Maintenance Procedure can be downloaded from the website or available as a softcopy in the USB stick provided along with table. This USB stick provide additional information like Installation & Commissioning Document, Parameter List, Accuracy test report, Maintenance Document etc.,
- 3) We offer 24 hours service in case of metro cities or 48 to 72 Hours service for other towns (depending on accessibility).
- 4) Remote diagnostics and troubleshooting will be undertaken within 1 to 2 Hours after registration of the compliant on our website(of course, this is subject to availability of good internet connection to carry out remote diagnostics using Team Viewer Etc.,) . Remote Diagnostics with Lehmann-Switzerland can be undertaken incase “escalation” is required
- 5) During Warranty period 2 free service visits will be done by our Trained Engineer on site at the customer end.
- 6) We undertake Buyback of old Rotary tables against purchase of new table. Details to be discuss with our sales & Service Engineers
- 7) AMC Contract will also be taken up by our service team beyond the warranty period.

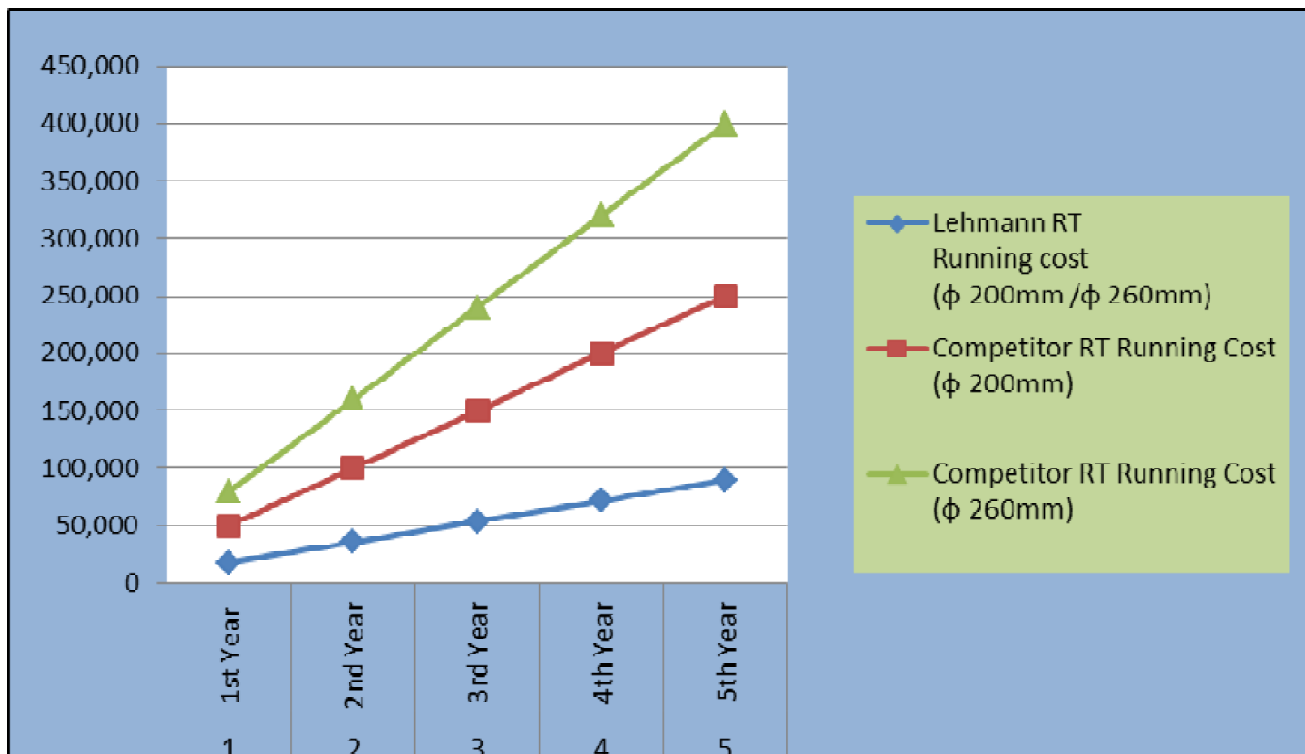
1.6 Running Cost (in Terms of Power consumption - Watts)

Approximately Rs.3 to 5 Lakhs can save over the period within 3 Years

Lehmann Rotary Table:	Other Competitor:
1) Consume very less Power due to Less Weight	1) Consume high Power due to more weight
2) Less Power consumption since Low Power Motor are used	2) Higher Power consumption since Low Power Motor are used
3) Hydraulic Power Pack not required for Spindle Clamping	3) Hydraulic Power Pack required for Spindle Clamping
4) Cycle time is very fast and hence lower power consumption, Hence higher productivity	4) Cycle time is very slow and hence Higher power consumption, Hence low productivity
5) Low MI hence low start Torque. Lower load on the motor hence longer life	5) Higher MI hence High start Torque. Higher load on the motor hence Lower life
6) Lower Power drive can be used with the table consequently reduction in the investment coast	6) Use of Higher Power drive, Hence higher investment coast

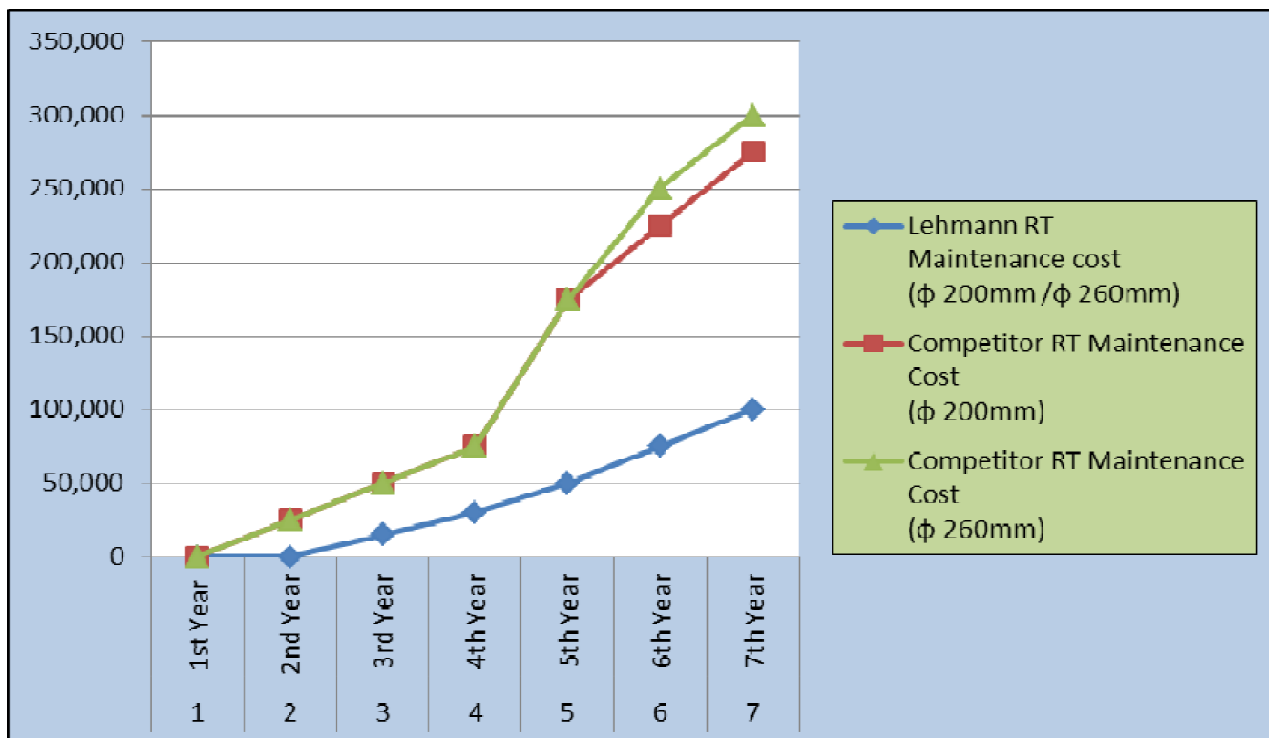
Power Consumption saved by 5 Year's

S.No:	Running Cost Year by Year (Power Kw)	Lehmann RT Running cost (φ 200mm /φ 260mm)	Competitor RT Running Cost (φ 200mm)	Competitor RT Running Cost (φ 260mm)
1	1st Year	18,000	50,000	80,000
2	2nd Year	36,000	100,000	160,000
3	3rd Year	54,000	150,000	240,000
4	4th Year	72,000	200,000	320,000
5	5th Year	90,000	250,000	400,000



Maintenance Cost saved by 7 Year's

S.No:	Maintenance Cost by Year (Spare Parts)	Lehmann RT Maintenance cost (φ 200mm / φ 260mm)	Competitor RT Maintenance Cost (φ 200mm)	Competitor RT Maintenance Cost (φ 260mm)
1	1st Year	0	0	0
2	2nd Year	0	25,000	25,000
3	3rd Year	15,000	50,000	50,000
4	4th Year	30,000	75,000	75,000
5	5th Year	50,000	175,000	175,000
6	6th Year	75,000	225,000	250,000
7	7th Year	100,000	275,000	300,000



If any clarification, Please feel free to contact us.

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