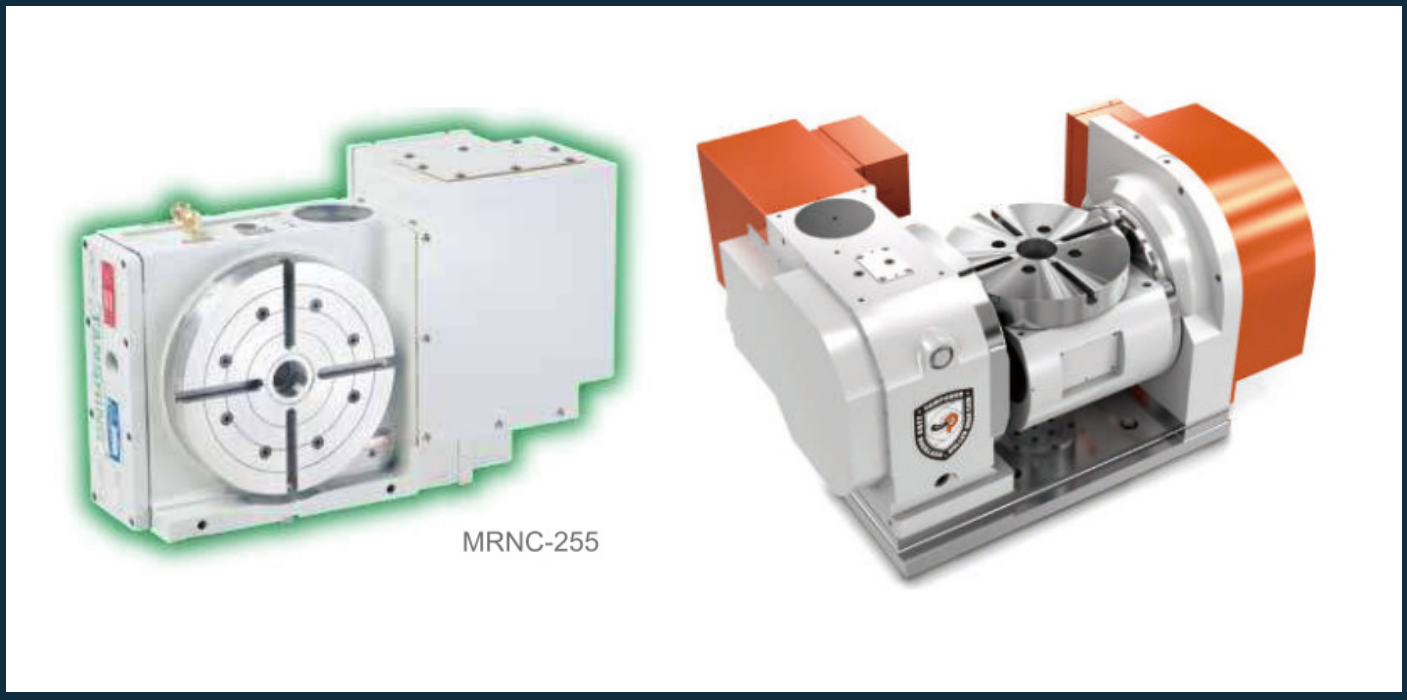
ROTIVEX

PRODUCT & SOURCING CATALOG

CNC Rotary and Tilting Tables

4th-axis positioning. 5th-axis options.
A clearer route from selection to supply.



SELECTION / TECHNICAL CONFIRMATION / SUPPLY COORDINATION

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01 / WORKING WITH ROTIVEX

A focused partner for rotary-table sourcing

Selection support for machine-tool distributors, integrators and machining businesses.

ROTIVEX helps buyers evaluate CNC rotary and tilting tables, clarify application requirements and coordinate supply from specialist manufacturers. Based in Shanghai, China, our work connects product information with the practical details of your machining setup.

01 Start with the application

Review the machine, controller, workpiece, fixture and installation envelope before selecting a model.

02 Confirm the complete configuration

Coordinate drawings, servo-motor options, clamping utilities and the scope of supply.

03 Coordinate supply and export

Support supplier communication, inspection planning and export arrangements for the agreed order.

Clear roles, clear documentation

ROTIVEX provides selection and sourcing coordination. The legal seller, exporter, payment beneficiary and agreed responsibilities are identified in the transaction documents.

02 / PRODUCT PORTFOLIO

Choose the architecture first

The table diameter is a starting point. The complete machining setup decides suitability.

Product family	Typical starting point	Explore
Single-axis rotary tables	Add rotary positioning to a machining center.	MRNC / VRNC / RTC / RTD
Tilting rotary tables	Evaluate rotary and tilt motion for multi-face machining.	TRNC / RTA / RTAD / RTB
Bridge and multi-station layouts	Support fixtures or arrange multiple workstations.	RTB / multi-spindle / face plates
Special configurations	Large tables, direct drive or horizontal applications.	HRNC / DRT / TDAT / SPC
Support equipment	Tailstocks, chucks, face plates and utility options.	Application-specific selection

Two specialist product sources

TANSHING and CAMPOWER product families are presented in this catalog. Model codes identify the source product family; they are not interchangeable ROTIVEX part numbers.

This catalog introduces selected configurations. The companion Technical Reference provides source specification tables and dimension drawings for detailed discussion.

03 / SINGLE-AXIS | TANSHING

MRNC series

Standard rotary-table options with vertical and horizontal mounting configurations.

MRNC-255 / 255-N
MRNC-320 / 320-N
MRNC-400 / 400-N

The N version uses a shortened motor cover. Confirm the motor and installation drawing for the selected configuration.



Catalog item	MRNC-255	MRNC-320	MRNC-400
Table diameter (mm)	255	320	400
Center height, vertical (mm)	160	210	255
Table height, horizontal (mm)	167	222	250
Load, vertical (kg)	100	150	200
Load, horizontal (kg)	250	350	500
Load with tailstock (kg)	250	350	500
Indexing accuracy (arc-sec)	15	15	15
Repeatability (arc-sec)	4	4	4
Net weight, motor excluded (kg)	93	174	262

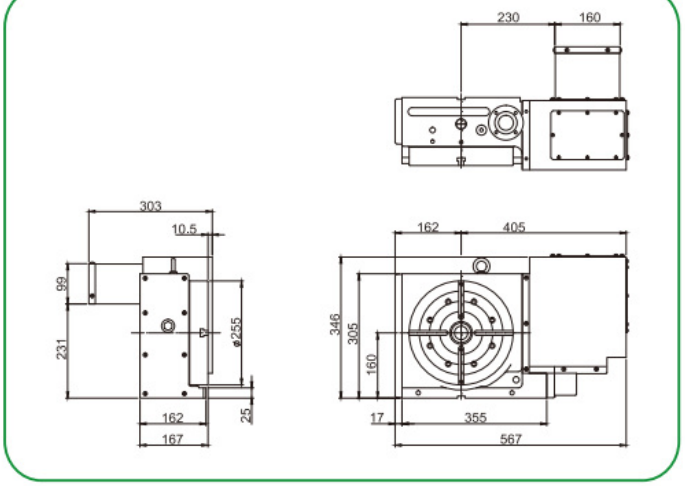
Source: TANSHING supplied catalog, PDF spread 8, printed pp. 13-14. Catalog load conditions apply.

03 / INSTALLATION ENVELOPE

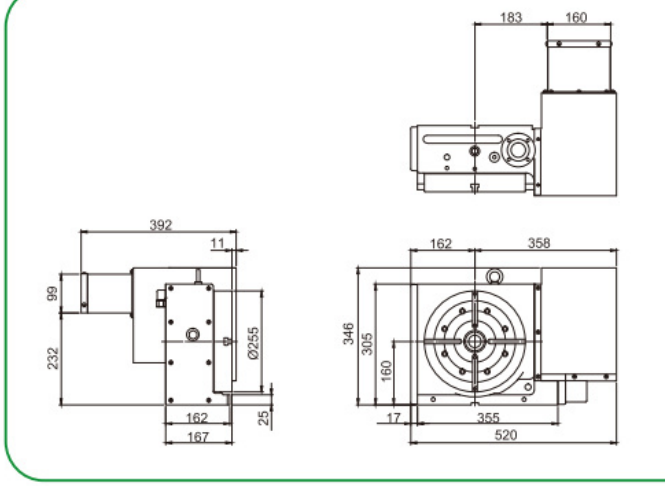
MRNC dimensions

Compare the standard and shortened motor-cover versions before confirming installation.

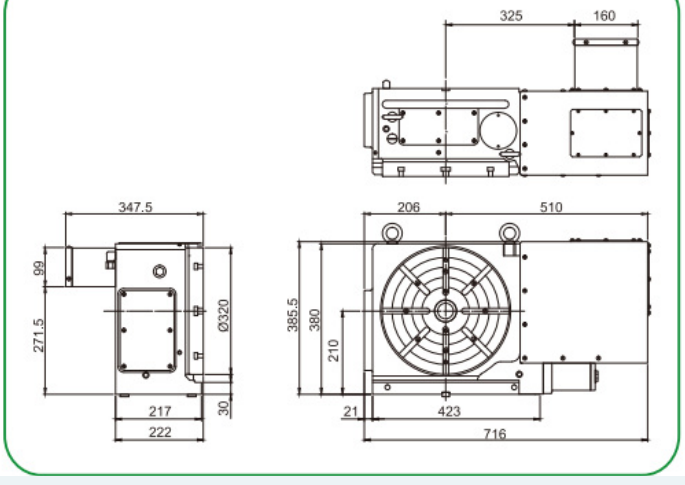
MRNC-255



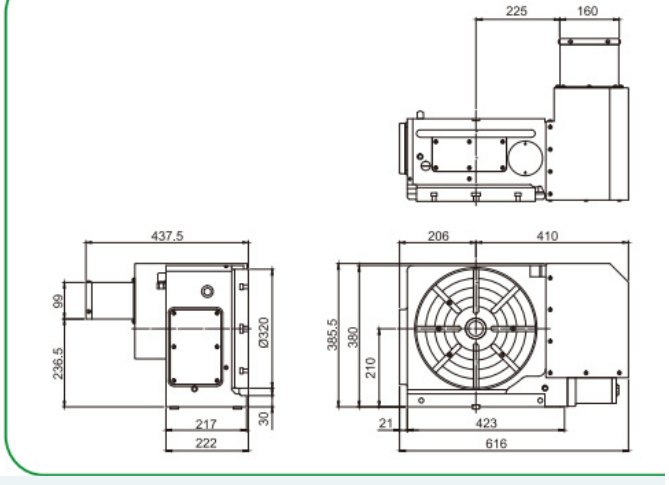
MRNC-255-N



MRNC-320



MRNC-320-N



Installation review

Dimensions in mm. Verify T-slots, center height, machine travel, enclosure clearance and cable routing. Use the current manufacturer-approved drawing for installation.

Source: TANSHING supplied catalog, PDF spread 8, printed p. 14. Drawings are reference illustrations, not to scale.

04 / TILTING | TANSHING

TRNC series

Compare construction, tilt range and loaded operating position - not table diameter alone.

Catalog item	TRNC-255A	TRNC-255B	TRNC-321
Table diameter (mm)	255	255	320
Tilt range (deg)	-30 to +120	-40 to +120	-110 to +110
Table height at 0 deg (mm)	400	330	350
Center height at 90 deg (mm)	400	235	255
Load at 0 deg (kg)	100	140	200
Load while tilting (kg)	75	80	100
Rotary / tilt repeatability (arc-sec)	4 / 8*	4 / 8	4 / 8
Net weight, motors excluded (kg)	650	300	450

* TRNC-255A tilt repeatability of 8 arc-sec is marked in the source as an encoder-equipped option. Accuracy options and clamping arrangements must be specified with the manufacturer.

Before selecting a tilting table

Include the fixture and chuck in the load. Check the center of gravity, tilt torque, tool clearance, motor/drive matching and CNC-axis capabilities. Simultaneous machining requires a suitable machine and control configuration.

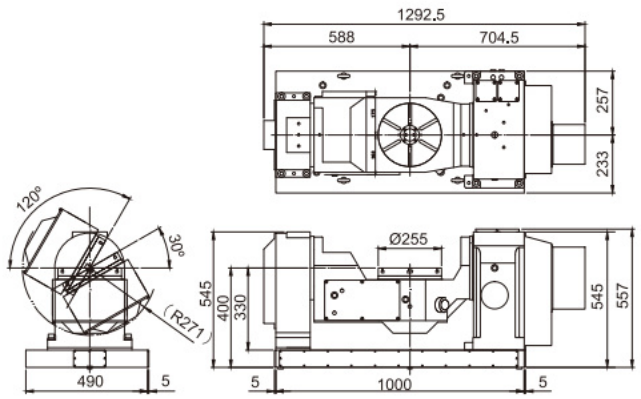
Source: TANSHING supplied catalog, PDF spreads 25-26, printed pp. 47-50. Confirm current specifications before order.

04 / INSTALLATION ENVELOPE

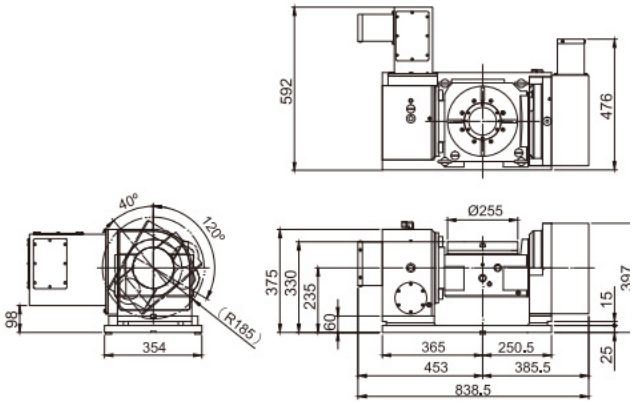
TRNC layout comparison

Different constructions create different clearance, support and fixture requirements.

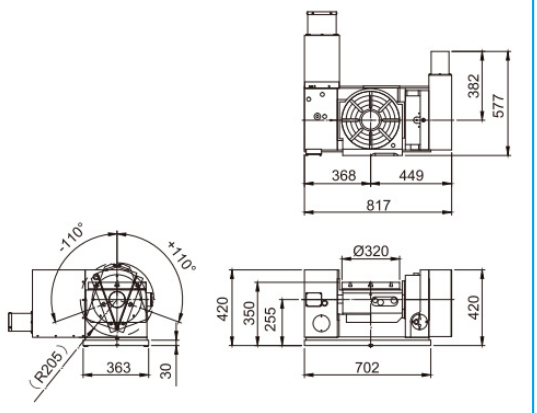
TRNC-255A



TRNC-255B



TRNC-321



TRNC-321

Check the complete tilt envelope with the workpiece, fixture and tool included. Ask for the approved outline drawing for the quoted configuration.

Source: TANSHING supplied catalog, PDF spreads 25-26. Dimensions in mm; drawings not to scale.

05 / ROLLER GEAR CAM | CAMPOWER

RTC series

Single-axis rotary tables with a bearing one-piece roller gear cam construction.

RTC-170HR / 200HR
RTC-250HR / 320HR

Vertical and horizontal mounting configurations. Hydraulic clamping in the listed catalog models.



I And Horizontal Mounting

Catalog item	170HR	200HR	250HR	320HR
Table diameter (mm)	170	200	250	320
Vertical center height (mm)	150	165	210	255
Load, vertical (kg)	90	145	200	320
Load, horizontal (kg)	180	290	400	650
Load with tailstock (kg)	180	290	400	650
Indexing accuracy (arc-sec)	15	15	12	12
Repeatability (arc-sec)	4	4	4	4
Max. speed* (rpm)	50	50	50	50
Net weight, motor excluded (kg)	70	100	170	280

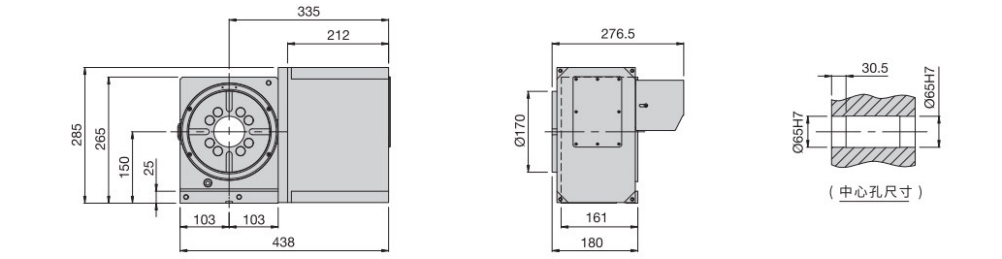
* Source speeds use a 3,000 rpm motor condition. Actual speed depends on the selected motor/drive configuration.

Source: CAMPOWER supplied catalog, PDF spread 8, printed pp. 11-12. Figures are catalog reference values.

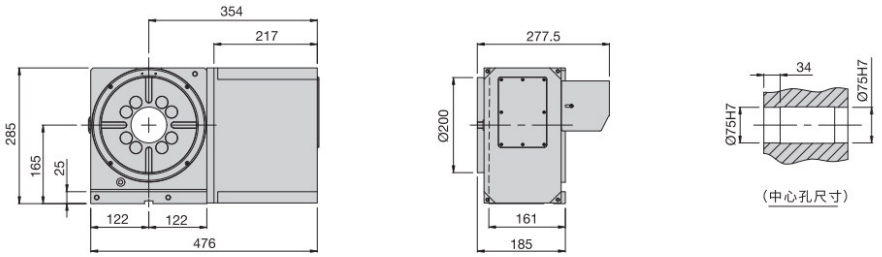
05 / INSTALLATION ENVELOPE

RTC outline drawings

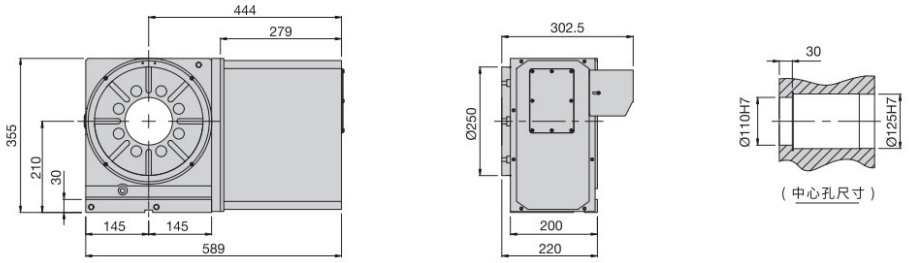
Match table size, height and overall length with the machine installation.



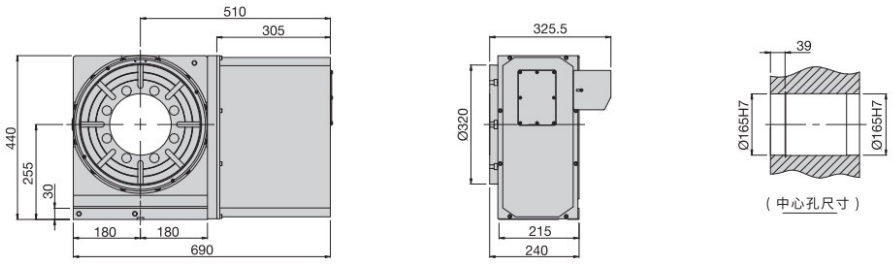
RTC-170HR



RTC-200HR



RTC-250HR



RTC-320HR

Source: CAMPOWER supplied catalog, PDF spread 8, printed p. 12. Dimensions in mm; drawings not to scale.

06 / ROLLER GEAR CAM | CAMPOWER

RTD series

A high-rigidity roller gear cam family with model-specific mounting and clamping options.

RTD-125 / 170 / 200 / 250

Full suffixes identify clamping and motor-side configurations. The listed figures correspond to the source model groups.



Catalog item	125	170	200	250
Table diameter (mm)	125	170	200	250
Vertical center height (mm)	110	135	160	185
Load, vertical (kg)	50	90	145	200
Load, horizontal (kg)	100	180	290	400
Load with tailstock (kg)	100	180	290	400
Indexing accuracy (arc-sec)	30	16	15	12
Repeatability (arc-sec)	6	4	4	4
Max. speed* (rpm)	75	83	50	50
Net weight, motor excluded (kg)	35	60	80	118

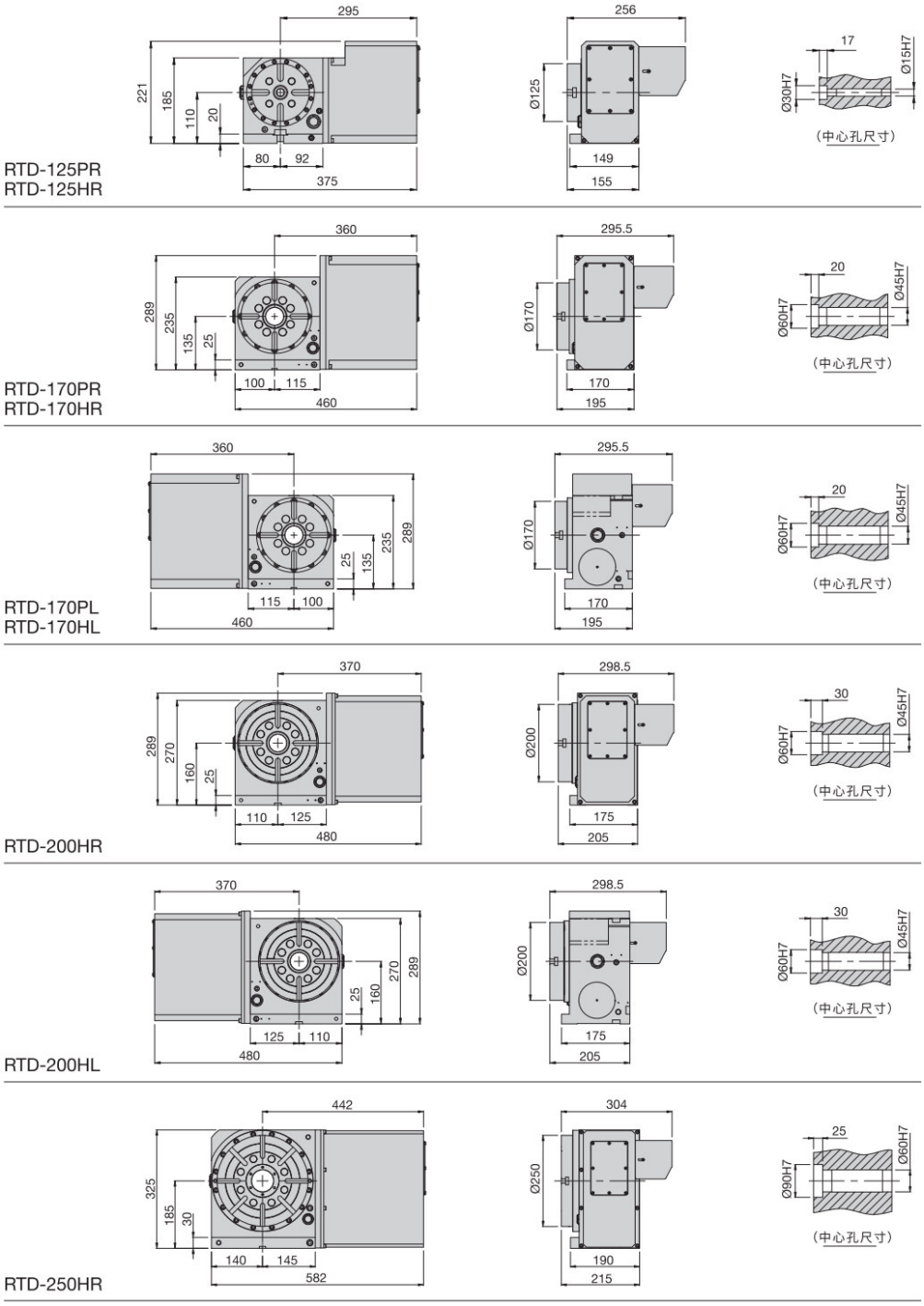
* Source speeds use a 3,000 rpm motor condition. Match the exact suffix, clamping source and motor options before ordering.

Source: CAMPOWER supplied catalog, PDF spread 9, printed pp. 13-14. Source groups: PR/HR, PR/HR/PL/HL, HR/HL, HR.

06 / INSTALLATION ENVELOPE

RTD outline drawings

Model suffixes and motor-side layout affect the outline and service access.



Source: CAMPOWER supplied catalog, PDF spread 9, printed p. 14. Dimensions in mm; drawings not to scale.

07 / MORE SINGLE-AXIS OPTIONS

Broader roller cam families

Discuss the bearing arrangement, size and duty cycle required by your application.



RTD - larger sizes

Additional RTD configurations are included in the technical reference.



RDS / RDH

Alternative family configurations with model-specific bearing arrangements.



RDX series

Review the selected model against the required load and machine layout.

Ask for the exact model

Accuracy, rigidity and load figures are model- and condition-specific. Do not transfer values between product families.

Source: CAMPOWER supplied catalog, PDF spreads 10-12. Product photographs illustrate the source configurations.

08 / TILTING | CAMPOWER

RTA / RTAD and RTB

Explore tilting and bridge-style configurations for the complete fixture arrangement.





RTA / RTAD

Tilting rotary-table families. Confirm both axes, the tilt envelope and the complete servo configuration.

RTB

Bridge-style tilting options. Review face-plate dimensions, support geometry and machining clearances.

Specify both axes

Provide required rotary and tilt motion, workpiece mass, fixture mass, center of gravity and the intended cutting process. Catalog photographs do not establish machine compatibility.

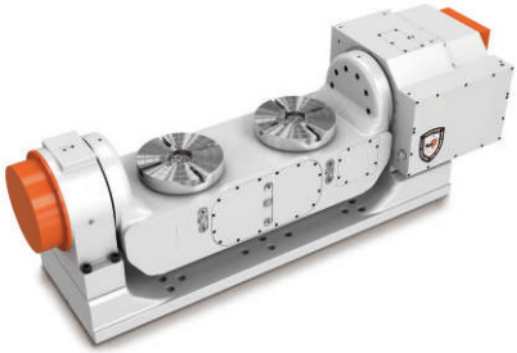
Source: CAMPOWER supplied catalog, PDF spreads 13-14. See the Technical Reference for tables and drawings.

09 / MULTI-STATION AND BRIDGE LAYOUTS

Plan the fixture as a system

A bridge or multi-station layout needs a complete load and clearance review.







Bridge length is only one input.

Confirm the face plate, support bearings or tailstock, station spacing, fixture overhang and cutting loads together. Include hydraulic and pneumatic routing through every operating position.

Source: CAMPOWER supplied catalog, PDF spreads 15 and 17; TANSHING supplied catalog, PDF spread 17.

10 / EXTENDED CONFIGURATIONS

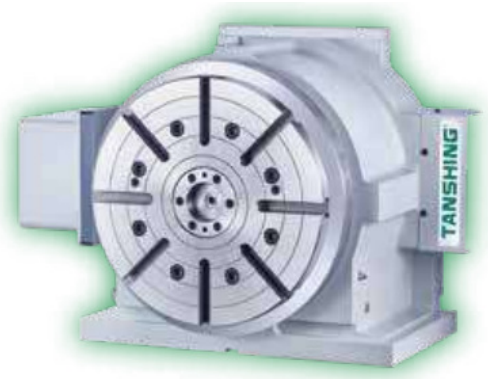
Beyond standard rotary tables

Additional product families can be reviewed against a specific machining requirement.



HRNC horizontal tables

Horizontal table layouts and larger platform options.



DRT direct drive

Direct-drive rotary-table family for configuration review.



TMRNC tilting tables

Alternative tilting construction and support geometry.



TDAT tilting direct drive

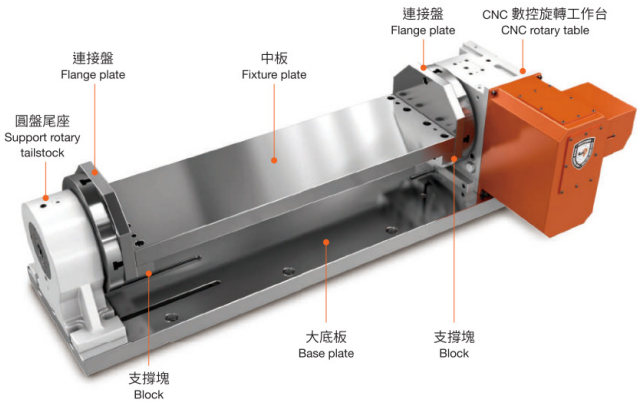
Evaluate both axes and the required drive/control system.

Source: TANSHING supplied catalog, PDF spreads 12, 15, 24 and 27. Availability and configuration require confirmation.

11 / WORKHOLDING AND SUPPORT

Complete the setup

Select accessories together with the rotary table, fixture and machine.





Face plates and bridges

Define station spacing, load distribution, mounting interfaces and utility routing.

Rotary and quill tailstocks

Match center height, stroke, support force and the application load.

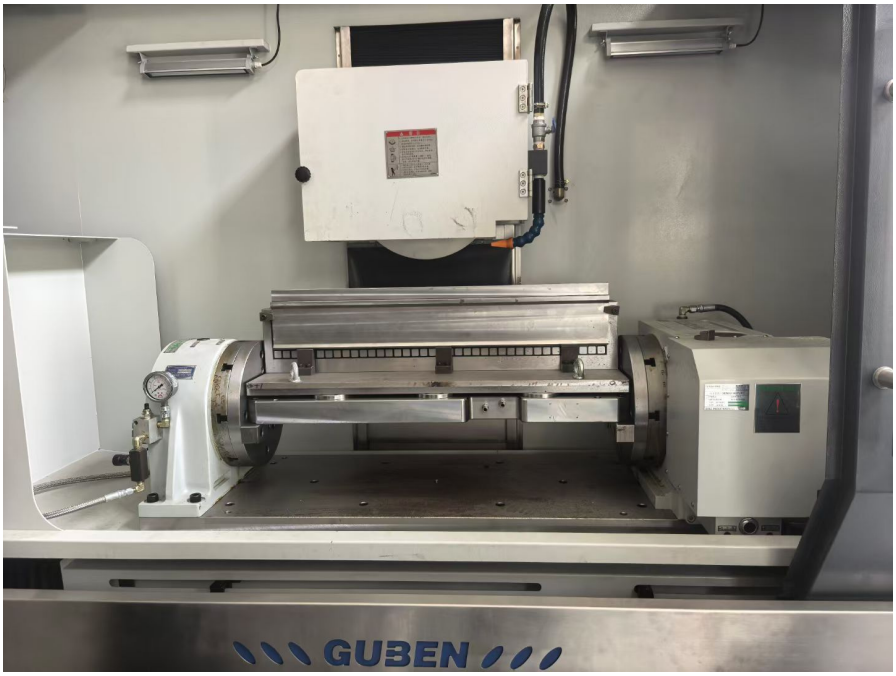
Review item	Information to confirm
Chucks and fixtures	Mounting pattern, gripping range, mass and overhang.
Utilities	Required pressure, flow, rotary unions and connection details.
Electrical scope	Motor, encoder, drive, cables, connectors and CNC-axis options.
Inspection documents	Agreed checks, test conditions and delivery documentation.

Source photographs: CAMPOWER supplied catalog, PDF spreads 20-21. Accessories are not included unless specified in the quotation.

12 / APPLICATION REFERENCE

See the installation context

Application photographs help define requirements; each proposed configuration needs review.





Fixture + table + machine

These reference installations show why fixture length, support arrangement, workpiece clearance and utilities should be considered as one system.

Application photographs supplied by Vera. They do not certify a specific model, customer endorsement or machining performance.

13 / COMPATIBILITY REVIEW

Confirm fit before purchase

A suitable table needs a compatible machine, control system and machining application.

1

Machine and control

Machine make/model/year; CNC make/model; available axes; indexing or simultaneous machining requirement.

2

Load and process

Workpiece + fixture + chuck mass; center-of-gravity offset; material; operation; expected cutting loads.

3

Mechanical envelope

Table slots; center height; Z travel; tool clearance; enclosure and door opening; full tilt sweep.

4

Servo and utilities

Motor and encoder; drive and cable compatibility; clamping pressure; air/hydraulic source and routing.

5

Acceptance and scope

Approved drawing; included accessories; inspection criteria; documents; packing and shipping scope.

14 / FROM INQUIRY TO SUPPLY

A documented buying process

The technical and commercial scope should be clear before order confirmation.

01 Share the application

Send the machine/controller details, workpiece information and required motion.

02 Review a shortlist

Compare the relevant models, layouts and configuration options.

03 Confirm the technical scope

Agree the outline drawing, motor/drive arrangement, accessories and acceptance checks.

04 Approve the commercial documents

Confirm the legal seller, exporter, payment beneficiary, price, delivery term and warranty scope.

05 Coordinate preparation and dispatch

Review the agreed inspection and shipping documents for the order.

Catalog information is for selection. Current configuration, availability and commercial terms are confirmed in the quotation and contract.

15 / START THE CONVERSATION

Send us your application

A clear inquiry makes the first technical review more useful.

Include in your inquiry	Your details
Machine / CNC	Make, model, year and available controlled axes.
Required motion	Indexing, continuous rotary motion or simultaneous rotary + tilt.
Workpiece / fixture	Dimensions, total mass, center-of-gravity offset and a drawing if available.
Installation	Mounting surface, available space and installation photographs.
Project	Quantity, destination and required delivery timing.

ROTIVEX

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