TURN

CNC ROTARY TABLES

CATALOG 2026

PRECISION 4TH & 5TH AXIS

CNC Rotary Tables Built in Our Own Factory

Roller cam, direct drive, worm gear and hydraulic rotary tables for machining centres worldwide. Zero backlash, 6–8 arcsec repeatability, plug-and-play with Fanuc, Mitsubishi and Siemens controls.

- Zero backlash roller cam
- 7 product series
- Platter 125–460 mm
- OEM / ODM welcome

Dongguan Boshan Precision Machinery Technology Co., Ltd.
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ABOUT TURN

From OEM Partner to Your Direct Supplier

TURN is the overseas brand of **Dongguan Boshan Precision Machinery Technology Co., Ltd.**, a manufacturer of precision CNC rotary tables based in Dalang, Dongguan, China — about 2,700 metres from Shenzhen Bao'an International Airport.

For years we have manufactured rotary tables for leading machine tool brands under their own names, applying the same design discipline, consistency and inspection standards to every unit. Today we offer that engineering directly under the TURN brand — with flexible customisation and factory-direct pricing.

We produce **seven product series** covering 4th and 5th axis applications: roller cam, direct drive (TDNC/TDAR), worm gear reducer, hydraulic heavy-duty and multi-station rotary tables, plus matched tailstocks, chucks and indexing plates. Our tables work with Fanuc, Mitsubishi, Siemens and other mainstream CNC controls.

Casting, welding, precision machining and assembly are all handled in-house, backed by a complete quality inspection system. Every table is accuracy-checked before it ships. Customers are welcome to visit our plant, inspect the production line and witness accuracy testing before placing an order.

Our tables are used in automotive, aerospace, mould and die, electronics, new energy and medical part production — anywhere a shop needs multiple faces machined in one setup.

7	125–460 mm	6–8 arcsec	1 set	In-house
Product series	Platter diameter range	Repeatability, roller cam	Minimum order quantity	Casting to assembly

Contents

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TNC TAR

滚子凸轮四轴 Roller cam four axis

TNC

170C



图片仅供参考，出货规格以实物为准

The pictures are for reference only. The actual product specifications shall prevail.

型号规则 Model Rules

TNC - 170 - C

- TNC：四轴 Four-axis
- 170：表示型号代码 Indicates model code — 125/170/210/250/255/320
- C：滚子凸轮 Roller cam

技术特点 Technical Features

结构精密 Precision structure

采用滚子凸轮结构，噪音小，精度高，寿命长，刚性好。

Adopt roller cam structure, low noise, high precision, long life and good rigidity.

多种刹车 Multiple brakes

刹车装置采用了气动和液压两种选择，更好的适配用户的需求。

The brake device has two options: pneumatic and hydraulic, to better meet user needs.

应用灵活 Flexible application

可灵活应用于各种机床及系统，加工精密大中小零件，长零件，广泛用于汽车，航空，船泊，电子新能源等精密零件加工。

It can be flexibly applied to various machine tools and systems to process large, medium and small precision parts and long parts. It is widely used in precision parts processing in automobiles, aviation, shipping, electronic new energy, etc.

装夹多样化 Various clamping options

中心通孔的设计让用户在产品的设计装夹方式可以更多样化，手动卡盘，气动卡盘，液压卡盘等等装夹方式，可配合机械手，自动夹具等方式来满足更高效的产品加工。

The design of the center through hole allows users to have more diversified clamping methods in product design, including manual chuck, pneumatic chuck, hydraulic chuck and other clamping methods, which can be combined with robots, automatic fixtures and other methods to meet more efficient product processing.

机械式样表 Mechanical model watch

型号 Model	(单位 Unit)	TNC-125C	TNC-170C	TNC-210C	TNC-250C	TNC-255C	TNC-320C
盘面直径 Disk diameter	mm	125	170	200	250	255	320
盘面中心孔直径 Diameter of center hole of disk	mm	50	50	60	60	80	90
中心贯穿孔直径 Center through hole diameter	mm	50	50	60	60	80	90
中心高度 Center Height	mm	110	135	160	160	160	210
盘面T型槽宽度 Width of T-slot on plate	mm	12	12	12	12	12	14
底部导键宽度 Bottom guide key width	mm	14	18	18	18	18	18
最小设定角度 Minimum setting angle	Deg.	0.001	0.001	0.001	0.001	0.001	0.001
分割精度 Segmentation accuracy	Sec.	25	25	25	25	25	25
重复精度 Repeatability	Sec.	6	6	6	6	6	6
锁紧方式 Locking method	Kg/cm^2	气刹4	气刹5/油刹20	气刹5/油刹20	气刹5/油刹20	油刹20	油刹20
锁紧扭矩 Tightening torque	Kg-m	10	10.2/30.6	11.7/35.7	11.7/35.7	56.1	163.2
减速比 Reduction ratio	-	45	40	60	60	60	60
盘面最大转速 Maximum disk speed	R.P.M	66	75	33.3	33.3	33.3	33.3
容许工件载荷 Allowable workpiece load	Kg	30	75	95	95	150	210
	Kg	60	150	200	200	280	420
容许负载(抱闸时) Allowable load (brake holding)	Kgf	800	1350	1800	1800	2300	2600
	Kgf.m	35	90	130	130	190	250
	Kgf.m	12	10/35	11.5/44	11.5/44	55	89
容许切削 Allowable cutting	Kg.f	9	18	20	20	35	50
伺服马达 Servo Motor	三菱 Mitsubishi	HF-105S	HF-104S	HF-104S	HF-104S	HF-154S	HF-204S
	发那科 Fanuc	β4	β8	β8	β8	β8	β22
	新代 Xindai	AM3	AM5	AM8	AM8	AM8	AM18
转台重量(不含马达) Turntable weight (without motor)	kg	60	70	80	83	125	220

Series

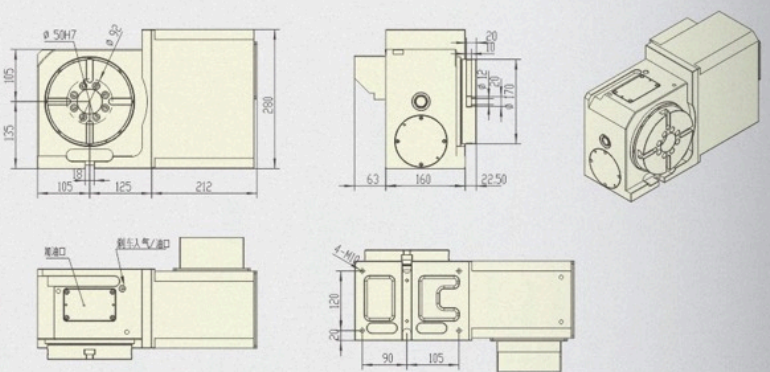
170C 210C 250C 255C 125SN 170C 210C 210CL 250C 325C 160CR 170CR 170CRL 210CL 80R-S-90 125R-4R 140R-4R 170R-3R 210R-3R 255R-2R 125CR-2R 125CR-3R 125CR-4R 140CR-3R 140CR-4R 170CR-2R 210CR-2R 250CR-2R 180R 260R 350RO 460RO 170-135H 170-135H 170-135H 170-135H 210-160H 255-210H 320-210H

TNC TAR

机械平面图
Mechanical plan

型号
Model

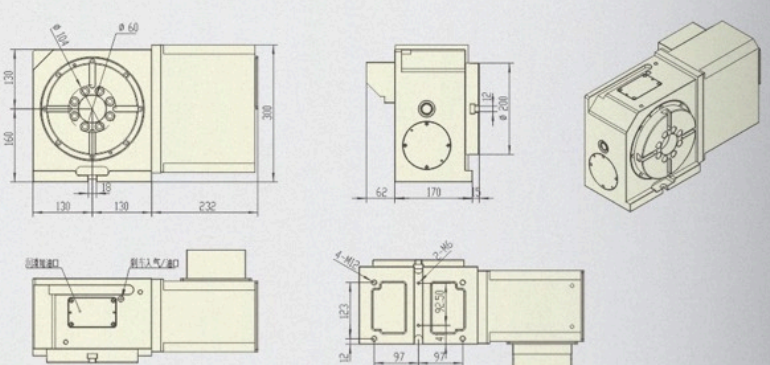
170C



TNC TAR

型号
Model

210C

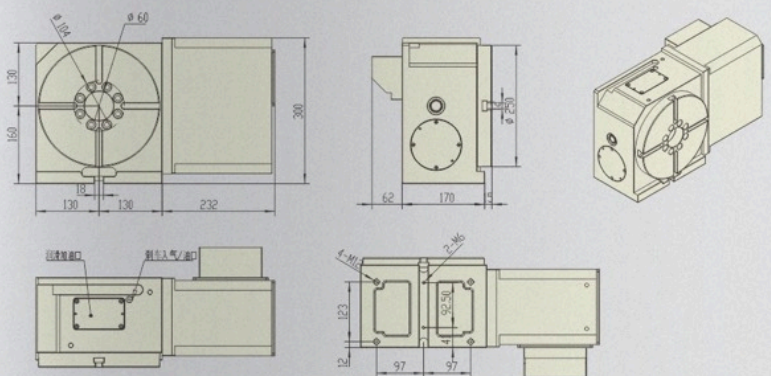


TNC TAR

机械平面图
Mechanical plan

型号
Model

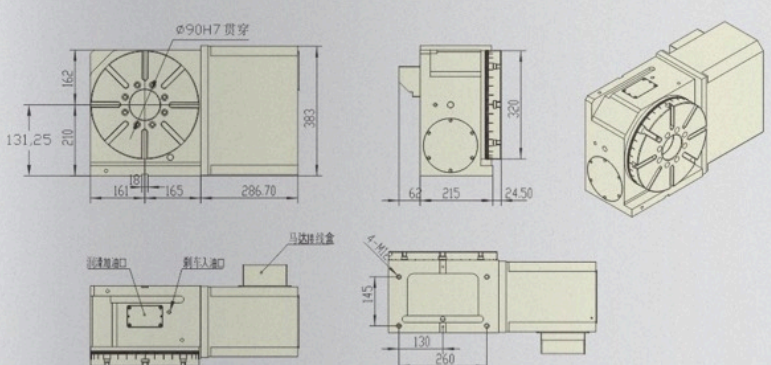
250C



TNC TAR

型号
Model

320C

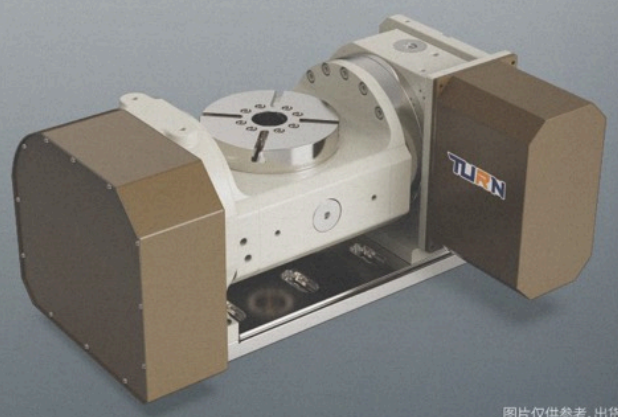


TNC TAR

滚子凸轮五轴 Roller cam five axis

TAR

210C



图片仅供参考，出货规格以实物为准
The pictures are for reference only. The actual product specifications shall prevail.

型号规则 Model Rules

TAR - 125 - C - SN

- TAR 五轴 Five-axis
- 125 表示型号代码 Indicates model code: 125/170/210/250/325
- C 滚子凸轮 Roller cam
- SN 单臂 Single Arm: SN=单臂 SN = Single arm; L=大跨距 L = Long span; 无=标准型 None = Standard

技术特点 Technical Features

结构精密 Precision structure

Ac轴均采用滚子凸轮结构，噪音小、精度高、寿命长，刚性好。

AC shafts all adopt roller cam structure, which has low noise, high precision, long life and good rigidity.

多种刹车 Multiple brakes

刹车装置采用了气动和液压两种选择，更好的适配用户的需求。

The brake device has two options: pneumatic and hydraulic, to better meet user needs.

应用灵活 Flexible application

可灵活应用于各种机床及系统，加工精密大中小零件，长零件，广泛用于汽车，航空，船泊，电子新能源等精密零件加工。

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装夹多样化 Various clamping options

中心通孔的设计让用户在产品的设计装夹方式可以更多样化，手动卡盘，气动卡盘，液压卡盘等等装夹方式，可配合机械手，自动夹具等方式来满足更高效的产品加工。

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机械式样表 Mechanical model watch

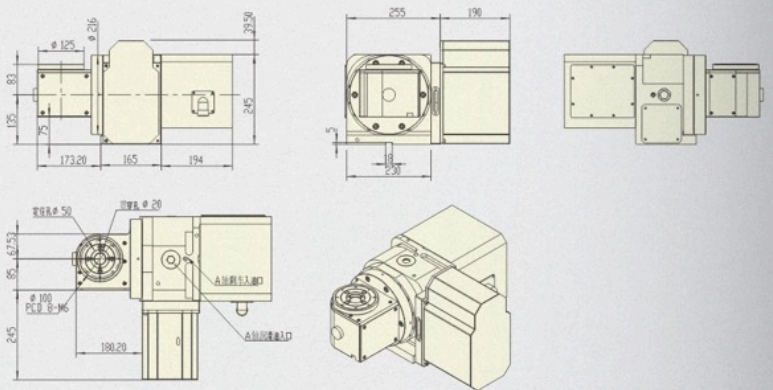
型号 Model		(单位 Unit)	TAR-125CSN		TAR-170C		TAR-210C		TAR-210CL		TAR-250C		TAR-325C	
盘面直径 Disk diameter		mm	125		170		200		200		250		325	
盘面中心孔直径 Diameter of center hole of disk		mm	20		50		60		50		50		50	
中心贯穿孔直径 Center through hole diameter		mm	20		50		60		50		50		50	
盘面高度 Plate height		mm	218		215		270		250		285		343	
盘面T型槽宽度 Width of T-slot on plate		mm	-		12		12		12		12		12	
底部导键宽度 Bottom guide key width		mm	18		14		18		18		18		18	
轴 Axis		-	旋转轴	倾斜轴	旋转轴	倾斜轴	旋转轴	倾斜轴	旋转轴	倾斜轴	旋转轴	倾斜轴	旋转轴	倾斜轴
最小设定角度 Minimum setting angle		Deg.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
分割精度 Segmentation accuracy		Sec.	30	40	35	35	35	40	35	40	35	38	35	40
重复精度 Repeatability		Sec.	6	8	7	7	7	8	7	8	7	7	7	8
锁紧方式 Locking method		Kg/cm^2	-	油刹20	气刹4	油刹20	油刹20	油刹20	油刹20	油刹20	油刹20	油刹20	油刹20	油刹20
锁紧扭矩 Tightening torque		Kg-m	-	30	10	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
减速比 Reduction ratio		-	24	60	45	40	60	60	60	60	60	60	60	60
盘面最大转速 Maximum disk speed		R.P.M	120	50	60	75	50	50	50	50	50	50	50	50
容许工件载荷 Allowable workpiece load	W	Kg	10		35		60		60		70		80	
	M	Kg	20		50		100		100		120		120	
容许负载(抱闸时) Allowable load (brake holding)		Kgf	200		500		1000		1000		1200		1500	
		Kgf.m	15		30		120		120		120		120	
		Kgf.m	8		30		60		60		70		80	
容许切削 Allowable cutting		Kg.m	7		16		20		20		35		40	
伺服马达 Servo Motor	三菱 Mitsubishi		KP 73	HF-104S	HF-105S	HF-104S	HF-104S	HF-104S	HF-104S	HF-154S	HF-154S	HF-154S	HF-154S	HF-224S
	发那科 Fanuc		β2	β8	β4	β8	β8	β8	β8	β12	β8	β12	β8	β12
	西门子 Siemens		1fk2205	1fk7060	1fk2205	1fk7060	1fk7060	1fk7060	1fk7060	1fk7063	1fk7063	1fk7063	1fk7063	1fk7063
	新代 Xindai		AM2	AM5	AM3	AM5	AM8	AM8	AM8	AM11	AM8	AM11	AM11	AM11
转台重量(不含马达) Turntable weight (without motor)		kg	120		150		260		300		290		320	

TNC TAR

机械平面图
Mechanical plan

型号
Model

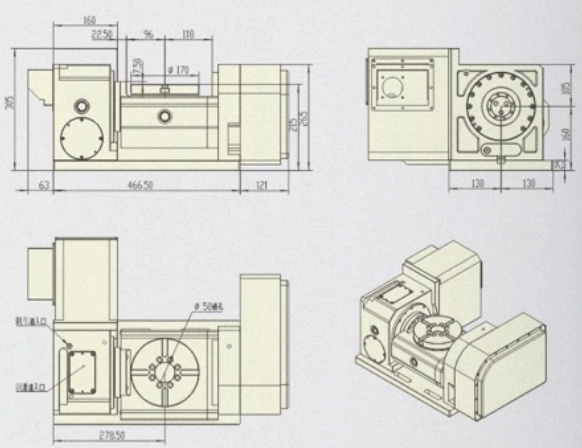
125SN



TNC TAR

型号
Model

170C

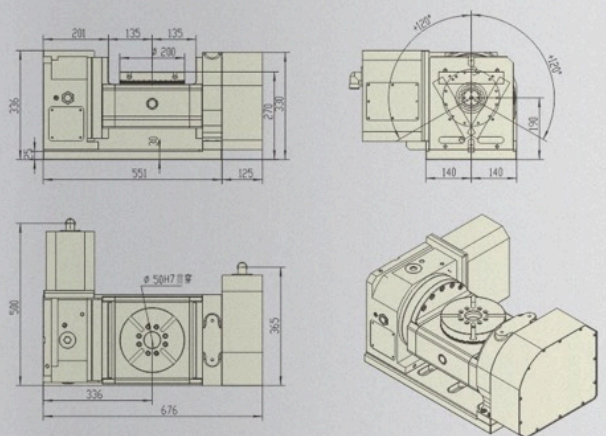


TNC TAR

机械平面图
Mechanical plan

型号
Model

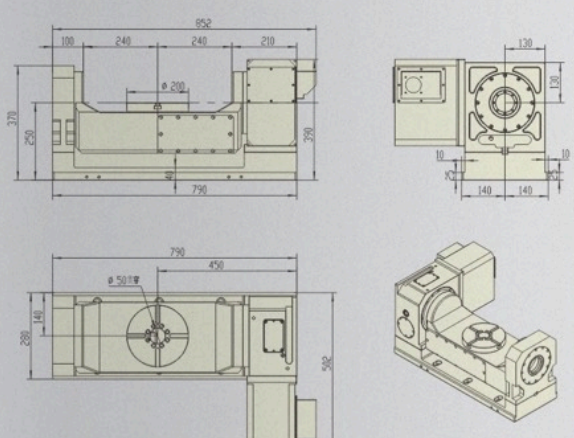
210C



TNC TAR

型号
Model

210CL

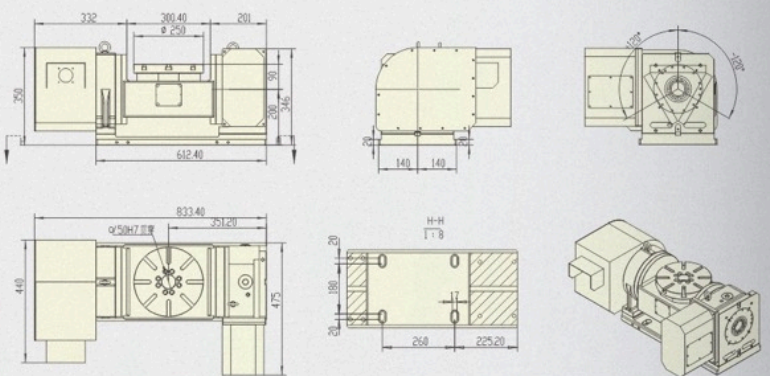


TNC TAR

机械平面图
Mechanical plan

型号
Model

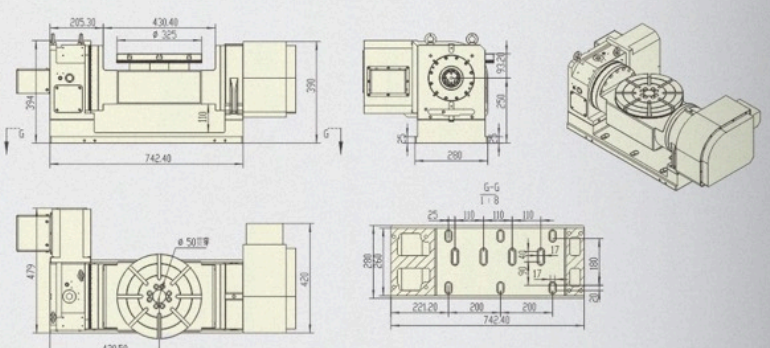
250C



TNC TAR

型号
Model

325C

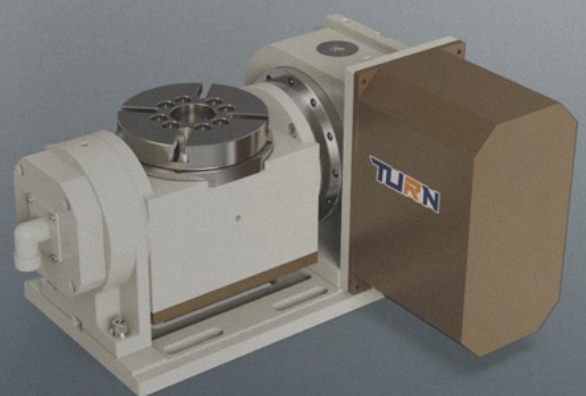


TNC TAR

减速机五轴 Reducer five axis

TAR

170CR



图片仅供参考，出货规格以实物为准
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型号规则 Model Rules

TAR - 160 - C - R - L

五轴 Five-axis	表示型号代码 Indicates model code 160/170/210	滚子凸轮 Roller cam	减速机 Reducer	大跨距 Large span

Series

250C
170CR

滚子凸轮五轴 Roller cam five axis
减速机五轴 Reducer five axis

技术特点 Technical Features

高性价比 High cost performance

A轴采用滚子凸轮结构，噪音小、精度高、寿命长，刚性好；C轴采用精密减速机结构，噪音小、精度高，结构简洁，易保养。

The A-axis adopts a roller cam structure with low noise, high precision, long life and good rigidity; the C-axis adopts a precision reducer structure with low noise, high precision, simple structure and easy maintenance.

应用灵活 Flexible application

可灵活应用于各种机床及系统，加工精密中小零件，长零件，广泛用于消费电子，汽车，航空，船泊，新能源等精密零件加工。

It can be flexibly applied to various machine tools and systems to process precision small and medium-sized parts and long parts. It is widely used in precision parts processing in consumer electronics, automobiles, aviation, shipping, new energy, etc.

多种刹车 Multiple brakes

刹车装置采用了气动和液压两种选择，更好的适配用户的需求。

The brake device has two options: pneumatic and hydraulic, to better meet user needs.

装夹多样化 Various clamping options

简单的产品的设计让装夹方式可以更多样化，手动卡盘，气动卡盘，液压卡盘等等装夹方式，可配合机械手，自动夹具等方式来满足更高效的产品加工。

The simple product design allows for more diverse clamping methods, including manual chuck, pneumatic chuck, hydraulic chuck and other clamping methods, which can be combined with robots, automatic fixtures and other methods to meet more efficient product processing.

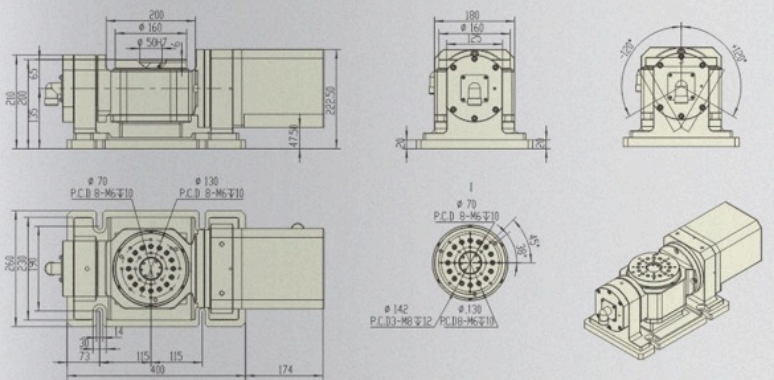
机械式样表 Mechanical model watch

型号 Model	(单位 Unit)	TAR-160CR		TAR-170CR		TAR-170CRL		TAR-210CR	
盘面直径 Disk diameter	mm	160		170		170		200	
盘面中心孔直径 Diameter of center hole of disk	mm	50		50		50		50	
中心贯穿孔直径 Center through hole diameter	mm	-		-		20		-	
盘面高度 Plate height	mm	200		245		240		295	
盘面T型槽宽度 Width of T-slot on plate	mm	-		12		12		12	
底部导键宽度 Bottom guide key width	mm	18		18		18		18	
轴 axis	-	旋转轴	倾斜轴	旋转轴	倾斜轴	旋转轴	倾斜轴	旋转轴	倾斜轴
最小设定角度 Minimum setting angle	Deg.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
分割精度 Segmentation accuracy	Sec.	30	38	30	35	30	35	30	35
重复精度 Repeatability	Sec.	7	8	7	8	7	8	7	8
锁紧方式 Locking method	Kg/cm²	-	-	气刹4/油刹20	气刹4/油刹20	气刹4/油刹20	气刹4/油刹20	气刹4/油刹20	气刹4/油刹20
锁紧扭矩 Tightening torque	Kg-m	-	-	8/15	10/20	10/15	15/20	15/25	20/30
减速比 Reduction ratio	-	81	121	81	40	81	40	81	60
盘面最大转速 Maximum disk speed	R.P.M	37	50	37	75	37	75	37	50
容许工件载荷 Allowable workpiece load	Kg	15		25		35		40	
	Kg	30		50		60		70	
容许负载(抱闸时) Allowable load (brake holding)	Kgf	260		450		660		860	
	Kgf.m	20		25		30		35	
容许切削 Allowable cutting	Kgf.m	11		25		31		35	
	Kg.m	10		16		18		26	
伺服马达 Servo Motor	三菱 Mitsubishi	KP73	KP73	KP73	HF-104S	KP73	HF-104S	KP73	HF-154S
	发那科 Fanuc	β1	β2	β2	β8	β2	β8	β2	β8
	新代 Xindai	AM2	AM2	AM2	AM5	AM2	AM8	AM2	AM8
转台重量(不含马达) Turntable weight (without motor)	kg	70		125		180		195	

TNC TAR

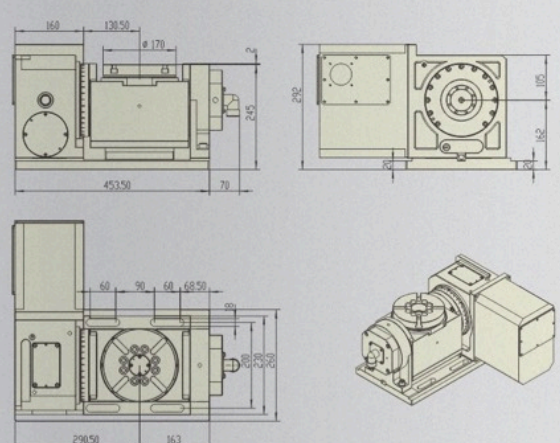
机械平面图 Mechanical plan

型号 Model **160CR**



TNC TAR

型号 Model **170CR**

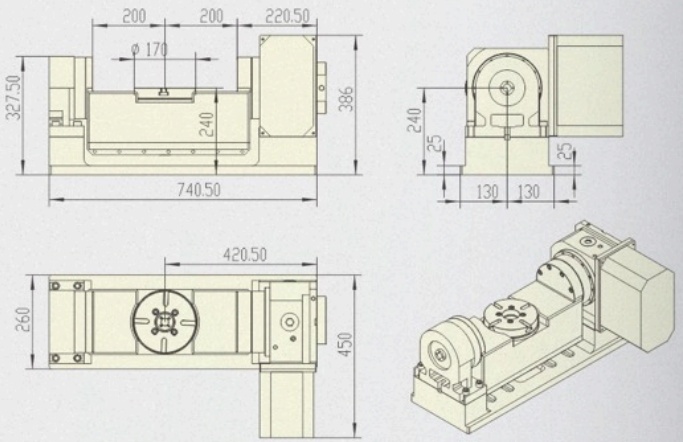


TNC TAR

机械平面图
Mechanical plan

型号
Model

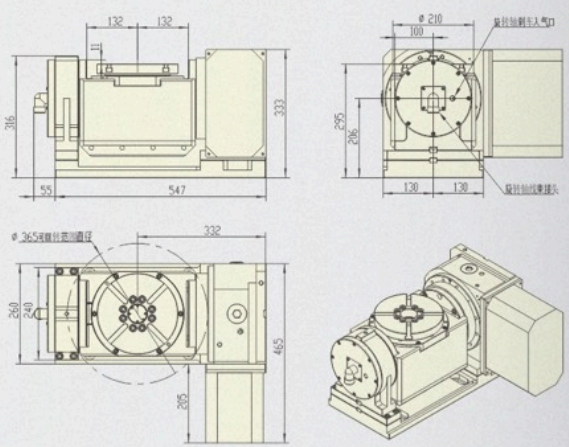
170CRL



TNC TAR

型号
Model

210CR



TNC TAR

多工位四轴 Multi station four axis



型号规则 Model Rules



技术特点 Technical Features

高性价比 High cost performance

采用精密减速机结构，噪音小、精度高、寿命长，刚性好，多工位设计大大提高了生产效率；

Adopting precision reducer structure, low noise, high precision, long life, good rigidity, multi-station design greatly improves production efficiency;

多种刹车 Multiple brakes

刹车装置采用了气动和液压两种选择，更好的适配用户的需求。

The brake device has two options: pneumatic and hydraulic, to better meet user needs.

应用灵活 Flexible application

可灵活应用于各种机床及系统，加工精密大中小零件，长零件，广泛用于汽车，航空，船泊，电子新能源等精密零件加工。

It can be flexibly applied to various machine tools and systems to process large, medium and small precision parts and long parts. It is widely used in precision parts processing in automobiles, aviation, shipping, electronic new energy, etc.

装夹多样化 Various clamping options

中心通孔的设计让用户在产品的设计装夹方式可以更多样化，手动卡盘，气动卡盘，液压卡盘等等装夹方式，可配合机械手，自动夹具等方式来满足更高效的产品加工。

The design of the center through hole allows users to have more diversified clamping methods in product design, including manual chuck, pneumatic chuck, hydraulic chuck and other clamping methods, which can be combined with robots, automatic fixtures and other methods to meet more efficient product processing.

机械式样表 Mechanical model watch

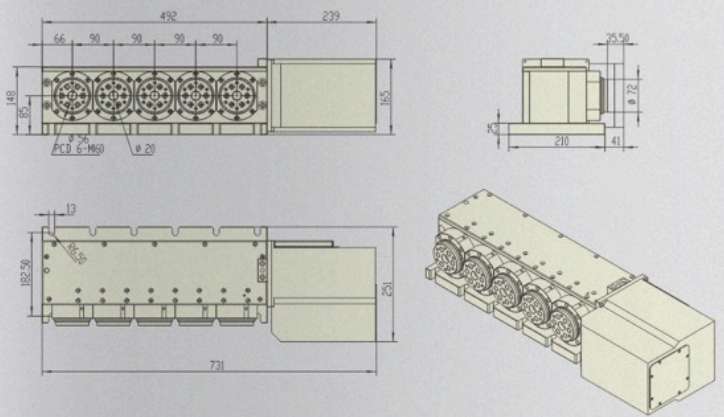
型号 Model	（单位 Unit）	TNC-080R-5-90	TNC-125R-X-XXX	TNC-140R-X-XXX	TNC-210R-X-XXX	TNC-255R-2-XXX
盘面直径 Disk diameter	mm	72	125	140/170	200	250
盘面中心孔直径 Diameter of center hole of disk	mm	20	30	55	70	80
中心贯穿孔直径 Center through hole diameter	mm	-	20	20	25	36
中心高度 Center Height	mm	80	110	135-145	160	160
盘面T型槽宽度 Width of T-slot on plate	mm	-	12	12	12	12
底部导键宽度 Bottom guide key width	mm	14	14	18	18	18
轴数 Number of axes	-	2-8	2-6	2-5	2-3	2
最小设定角度 Minimum setting angle	Deg.	0.001	0.001	0.001	0.001	0.001
轴间距 Axle spacing	mm	90	140-200	160-250	240	260
分割精度 Segmentation accuracy	Sec.	35	35	35	35	35
重复精度 Repeatability	Sec.	6	6	6	6	6
锁紧方式 Locking method	Kg/cm²	气刹4/油刹20	气刹4/油刹20	气刹4/油刹20	气刹4/油刹20	油刹
锁紧扭矩 Tightening torque	Kg-m	5/16	10/25	12/35.7	20/40	20/60
减速比 Reduction ratio	-	45	81	81	101	121
盘面最大转速 Maximum disk speed	R.P.M	66	37	37	30	25
容许工件载荷 Allowable workpiece load	Kg	10	20	30	50	80
	Kg	20	40	60	100	150
容许负载(抱闸时) Allowable load (brake holding)	Kgf	-	-	-	-	-
	Kgf.m	12	20	28	120	160
容许切削 Allowable cutting	Kgf.m	6	20	27	50	80
	Kg.m	10	13	16	25	35
伺服马达 Servo Motor	三菱 Mitsubishi	HF-105S/ HF-104S	HF-105S/ HF-104S	HF-104S	HF-154S	HF-154S
	发那科 Fanuc	β4/β8	β4/β8	β8	β8	β8
	新代 Xindai	AM3/AM5	AM3/AM5	AM8	AM8	AM11
转台重量(不含马达) Turntable weight (without motor)	kg					

TNC TAR

机械平面图 Mechanical plan

型号 Model

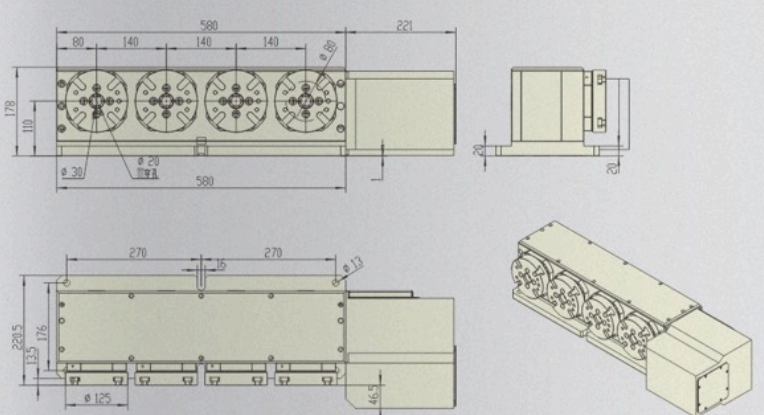
80R-5-90



TNC TAR

型号 Model

125R-4R

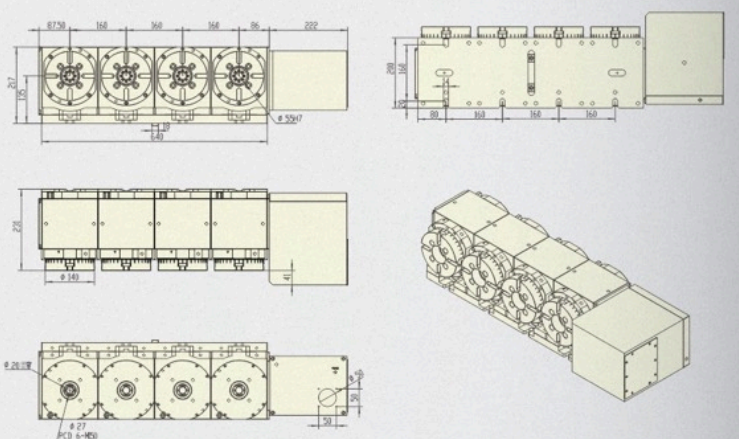


TNC TAR

机械平面图
Mechanical plan

型号
Model

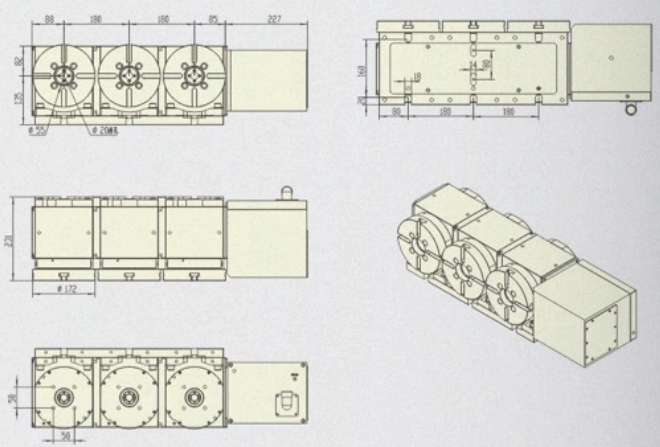
140R-4R



TNC TAR

型号
Model

170R-3R

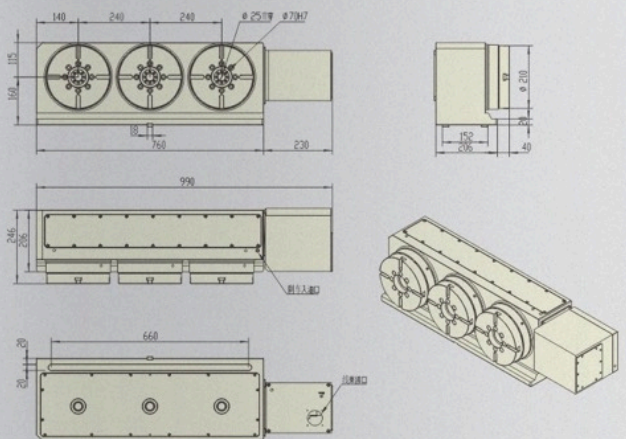


TNC TAR

机械平面图
Mechanical plan

型号
Model

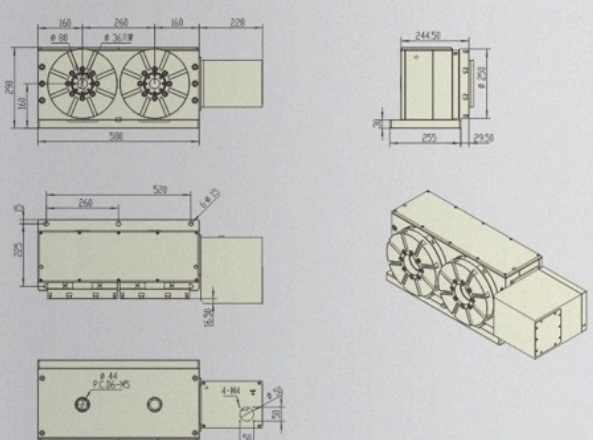
210R-3R



TNC TAR

型号
Model

255R-2R

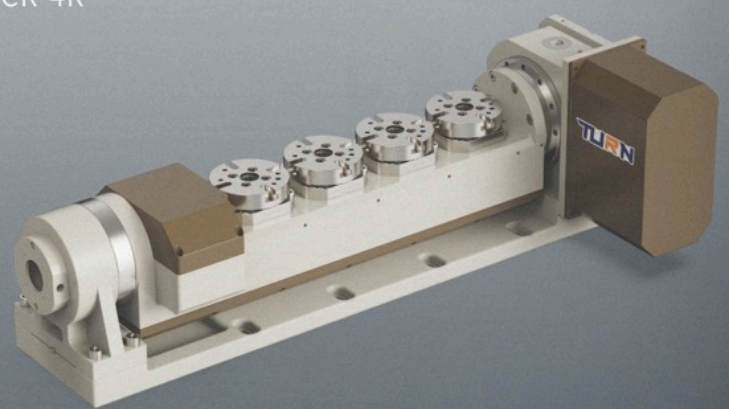


TNC | TAR

多工位五轴 Multi-station five-axis

TAR

125CR-4R



图片仅供参考，出货规格以实物为准
The pictures are for reference only. The actual product specifications shall prevail.

型号规则 Model Rules

TAR - 125 - CR - 4 - 140

- TAR — 五轴 Five-axis
- 125 — 表示型号代码 Indicates model code (125/170/210/250/325)
- CR — 滚子凸轮+减速机 Roller cam + reducer
- 4 — 头数2-4 Number of heads 2-4
- 140 — 轴间距 Axle spacing

技术特点 Technical Features

高性价比 High cost performance

A轴均采用滚子凸轮结构，噪音小、精度高、寿命长，刚性好；C轴采用精密减速机结构，灵活多变，精度好，适应多种选择。

The A-axis adopts a roller cam structure, which has low noise, high precision, long life and good rigidity; the C-axis adopts a precision reducer structure, which is flexible, accurate and adaptable to a variety of options.

多种刹车 Multiple brakes

刹车装置采用了气动和液压两种选择，更好的适配用户的需求。

The brake device has two options: pneumatic and hydraulic, to better meet user needs.

应用灵活 Flexible application

可灵活应用于各种机床及系统，加工精密大中小零件，长零件，广泛用于汽车，航空，船泊，电子新能源等精密零件加工。

It can be flexibly applied to various machine tools and systems to process large, medium and small precision parts and long parts. It is widely used in precision parts processing in automobiles, aviation, shipping, electronic new energy, etc.

装夹多样化 Various clamping options

中心通孔的设计让用户在产品的设计装夹方式可以更多样化，手动卡盘，气动卡盘，液压卡盘等等装夹方式，可配合机械手，自动夹具等方式来满足更高效的产品加工。

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机械式样表 Mechanical model watch

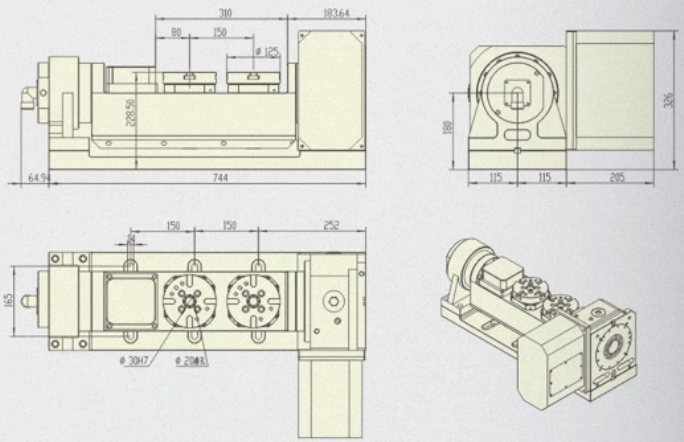
型号 Model	(单位 Unit)	TAR-125CR-X-XXX		TAR-140CR-X-XXX		TAR-170CR-X-XXX		TAR-210CR-X-XXX		TAR-255CR-2-XXX	
盘面直径 Disk diameter	mm	125		140/170		170		200		255	
盘面中心孔直径 Diameter of center hole of disk	mm	30		55		55		70		50	
中心贯穿孔直径 Center through hole diameter	mm	20		20		20		25		35	
盘面高度 Plate height	mm	224.5		279		279		306		321.5	
盘面T型槽宽度 Width of T-slot on plate	mm	12		12		12		12		12	
底部导键宽度 Bottom guide key width	mm	14		18		18		18		18	
轴数 Number of axes	-	2-4		2-4		2-4		2-3		2	
轴间距 Axle spacing	mm	140		150/180/200		180/200		260/420		450/520	
轴 axis		旋转轴	倾斜轴	旋转轴	倾斜轴	旋转轴	倾斜轴	旋转轴	倾斜轴	旋转轴	倾斜轴
最小设定角度 Minimum setting angle	Deg.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
分割精度 Segmentation accuracy	Sec.	35	35	35	40	35	40	35	40	35	40
重复精度 Repeatability	Sec.	7	7	7	8	7	8	7	8	7	8
锁紧方式 Locking method	Kg/cm^2	气刹4	油刹20	油刹20	气刹4	油刹20	油刹20	油刹20	油刹20	油刹20	油刹20
锁紧扭矩 Tightening torque	Kg-m	10	35.7	35.7	10	35.7	35.7	35.7	35.7	35.7	35.7
减速比 Reduction ratio	-	81	40	81	60	81	60	81	60	101	60
盘面最大转速 Maximum disk speed	R.P.M	37	75	37	50	37	50	37	50	30	50
容许工件载荷 Allowable workpiece load	Kg	10		20		20		35		45	
	Kg	20		40		40		60		80	
容许负载(抱闸时) Allowable load (brake holding)	Kgf	400		660		660		1200		1800	
	Kgf.m	20		28		28		120		185	
	Kgf.m	20		27		27		50		77	
容许切削 Allowable cutting	Kg.m	13		16		16		25		35	
伺服马达 Servo Motor	三菱 Mitsubishi	KP73/104	HF-104S	HF-104S	HF-104S	HF-104S	HF-104S	HF-104S	HF-154S	HF-154S	HF-154S
	发那科 Fanuc	β2/β8	β8	β8	β8	β8	β8	β8	β12	β8	β12
	新代 Xindai	AM2	AM3	AM3/AM5	AM5	AM8	AM8	AM8	AM11	AM8	AM11
转台重量(不含马达) Turntable weight (without motor)	kg										

TNC TAR

机械平面图
Mechanical plan

型号
Model

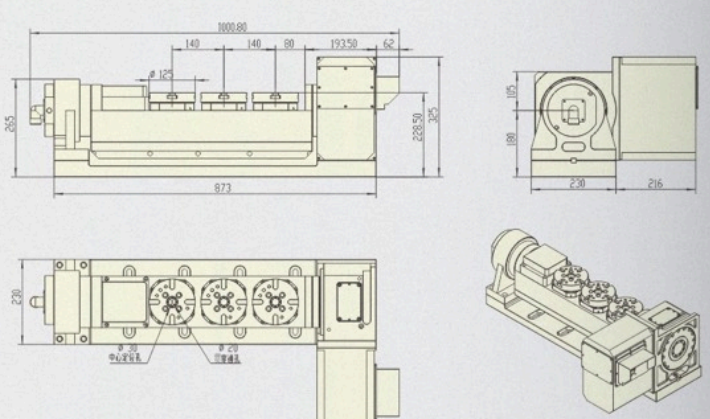
125CR-2R



TNC TAR

型号
Model

125CR-3R

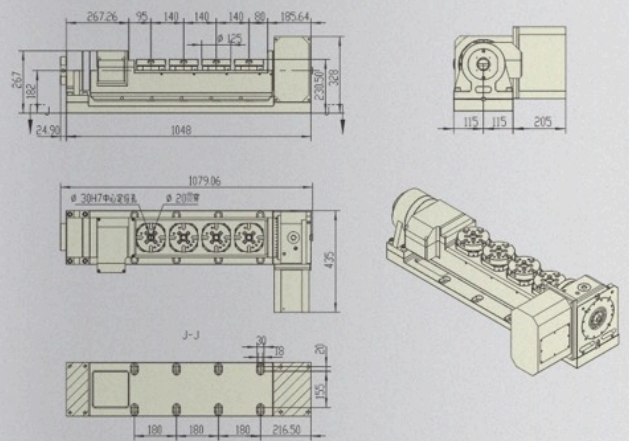


TNC TAR

机械平面图
Mechanical plan

型号
Model

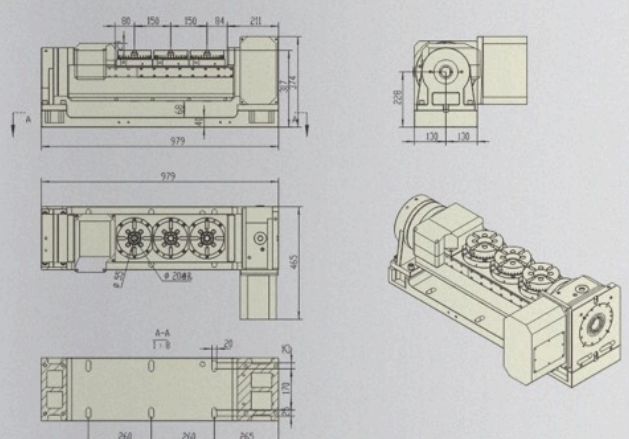
125CR-4R



TNC TAR

型号
Model

140CR-3R

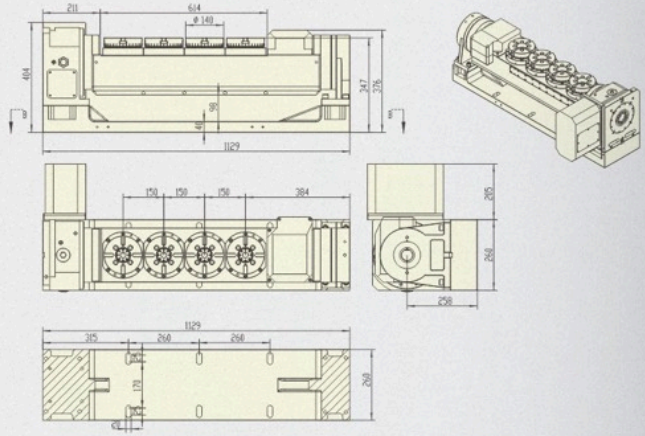


TNC TAR

机械平面图
Mechanical plan

型号
Model

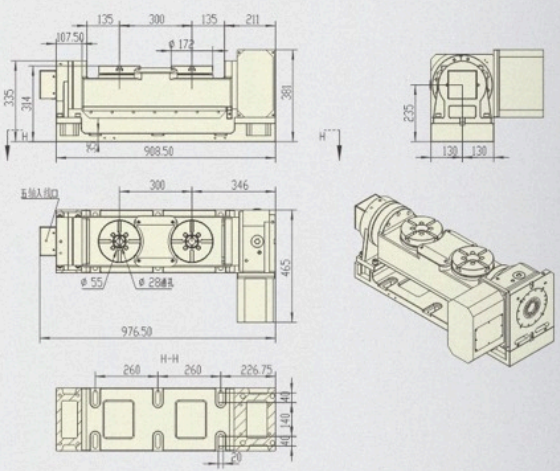
140CR-4R



TNC TAR

型号
Model

170CR-2R

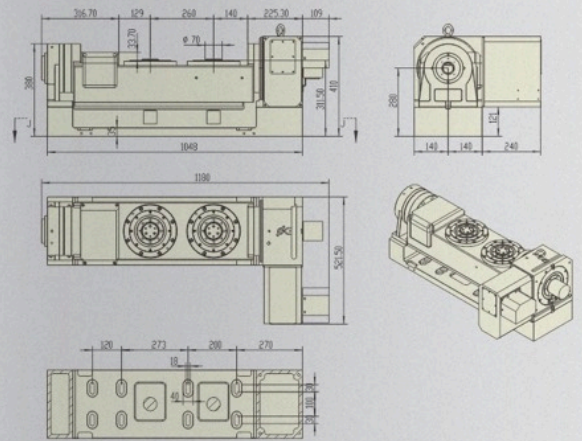


TNC TAR

机械平面图
Mechanical plan

型号
Model

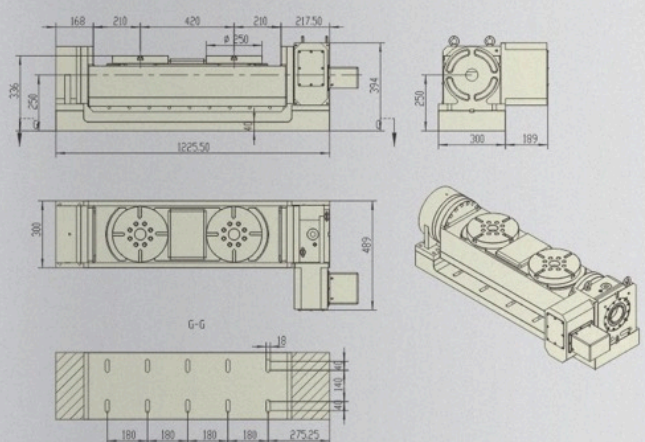
210CR-2R



TNC TAR

型号
Model

250CR-2R



TNC | TAR

直驱转台 Direct drive rotary table

TDNC

180



图片仅供参考，出货规格以实物为准
The pictures are for reference only. The actual product specifications shall prevail.

型号规则 Model Rules

TDNC - 180

- DD 四轴 / DD four-axis
- 表示型号代码 / Indicates model code: 125/180/255

技术特点 Technical Features

高性价比 High cost performance

大扭矩直驱电机，超精密。

High torque direct drive motor, ultra-precision.

多种刹车 Multiple brakes

刹车装置采用了气动环抱刹车，更稳定更精密。

The brake device uses a pneumatic surround brake, which is more stable and precise.

应用灵活 Flexible application

可灵活应用于各种机床及系统，加工精密大中小零件，长零件，广泛用于汽车，航空，船泊，电子新能源等精密零件加工。

It can be flexibly applied to various machine tools and systems to process large, medium and small precision parts and long parts. It is widely used in precision parts processing in automobiles, aviation, shipping, electronic new energy, etc.

装夹多样化 Various clamping options

中心通孔的设计让用户在产品的设计装夹方式可以更多样化，手动卡盘，气动卡盘，液压卡盘等等装夹方式，可配合机械手，自动夹具等方式来满足更高效的产品加工。

The design of the center through hole allows users to have more diversified clamping methods in product design, including manual chuck, pneumatic chuck, hydraulic chuck and other clamping methods, which can be combined with robots, automatic fixtures and other methods to meet more efficient product processing.

机械式样表 Mechanical model watch

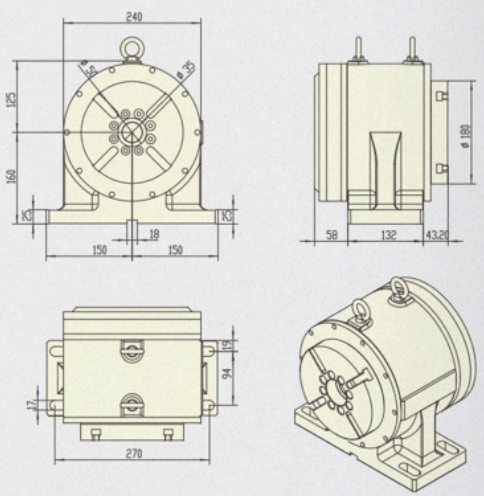
型号 Model		(单位 Unit)	TDNC-180
盘面直径 Disk diameter		mm	180
盘面中心孔直径 Diameter of center hole of disk		mm	50
中心贯穿孔直径 Center through hole diameter		mm	35
中心高度 Center Height		mm	160
盘面T型槽宽度 Width of T-slot on plate		mm	12
底部导键宽度 Bottom guide key width		mm	18
最小设定角度 Minimum setting angle		Deg.	0.001
额定/最大扭矩 Rated/Maximum torque		N.m	95/380
额定/最大电流 Rated/maximum current		A	4.7/18.8
分割精度 Segmentation accuracy		Sec.	10
重复精度 Repeatability		Sec.	4
锁紧方式 Locking method		Kg/cm^2	气刹4
锁紧扭矩 Tightening torque		N.m	224
冷却方式 Cooling method		-	自然冷却
防水等级 Waterproof grade		-	IP66
盘面最大转速 Maximum disk speed		R.P.M	200
容许工件载荷 Allowable workpiece load	W	Kg	50
	M	Kg	100
容许负载(抱闸时) Allowable load (brake holding)		Kgf	960
		Kgf.m	35
		Kgf.m	15
容许切削 Allowable cutting			10
伺服马达 Servo Motor	三菱 Mitsubishi		
	发那科 Fanuc		
	新代 Xindai		
转台重量(不含马达) Turntable weight (without motor)		kg	

TNC TAR

机械平面图
Mechanical plan

型号
Model

180R

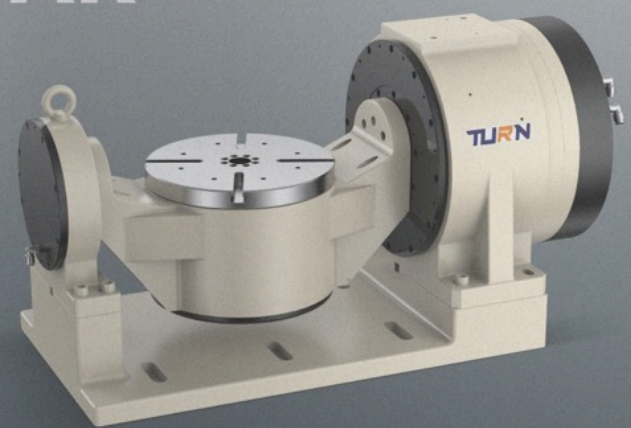


TNC TAR

直驱转台 Direct drive rotary table

TDAR

260



图片仅供参考，出货规格以实物为准
The pictures are for reference only. The actual product specifications shall prevail.

型号规则 Model Rules

TDAR - 180

DD 五轴
DD five-axis

表示型号代码
Indicates model code
125/180/255

技术特点 Technical Features

高性价比 High cost performance
大扭矩直驱电机，超精密。

High torque direct drive motor, ultra-precision.

多种刹车 Multiple brakes
刹车装置采用了气动环抱刹车，更稳定更精密。

The brake device uses a pneumatic surround brake, which is more stable and precise.

应用灵活 Flexible application
可灵活应用于各种机床及系统，加工精密大中小零件，长零件，广泛用于汽车，航空，船泊，电子新能源等精密零件加工。

It can be flexibly applied to various machine tools and systems to process large, medium and small precision parts and long parts. It is widely used in precision parts processing in automobiles, aviation, shipping, electronic new energy, etc.

装夹多样化 Various clamping options
中心通孔的设计让用户在产品的设计装夹方式可以更多样化，手动卡盘，气动卡盘，液压卡盘等等装夹方式，可配合机械手，自动夹具等方式来满足更高效的产品加工。

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机械式样表 Mechanical model watch

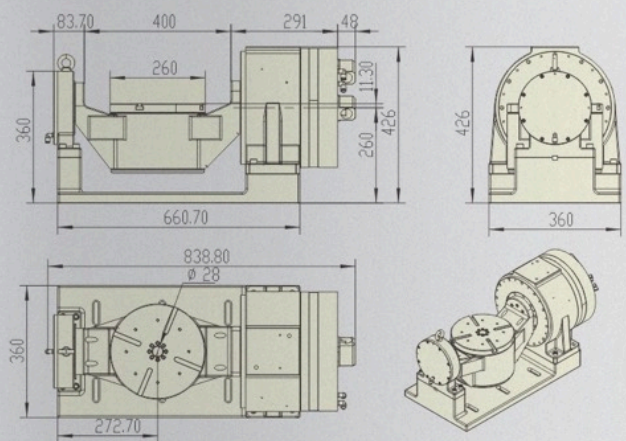
型号 Model	(单位 Unit)	TAR-260	
盘面直径 Disk diameter	mm	260	
盘面中心孔直径 Diameter of center hole of disk	mm	28	
中心贯穿孔直径 Center through hole diameter	mm	28	
盘面高度 Plate height	mm	271.3	
盘面T型槽宽度 Width of T-slot on plate	mm	12	
底部导键宽度 Bottom guide key width	mm	18	
轴 axis	-	旋转轴	倾斜轴
最小设定角度 Minimum setting angle	Deg.	0.001	0.001
分割精度 Segmentation accuracy	Sec.	10	10
重复精度 Repeatability	Sec.	4	4
锁紧方式 Locking method	Kg/cm^2	气压4	气刹4
锁紧扭矩 Tightening torque	Kg-m	224	552
冷却方式 Cooling method	-	自然冷却	自然冷却
额定/最高扭矩 Rated/maximum torque	N.m	100/330	255/733
额定/最高扭矩 Rated/maximum torque	A	8.5/30	17.5/63
输出功率S1 Output power S1	KW	2.2	5.3
输出功率S6 Output power S6	KW	3.29	7.5
盘面最大转速 Maximum disk speed	R.P.M	200	200
容许工件载荷 Allowable workpiece load	Kg	60	
	Kg	70	
容许负载(抱闸时) Allowable load (brake holding)	Kgf	880	
	Kgf.m	31	
	Kgf.m	31	
容许切削 Allowable cutting	Kg.m	15	
伺服马达 Servo Motor	三菱 Mitsubishi		
	发那科 Fanuc		
	新代 Xindai		
转台重量(不含马达) Turntable weight (without motor)	kg	245	

TNC TAR

机械平面图
Mechanical plan

型号
Model

260R

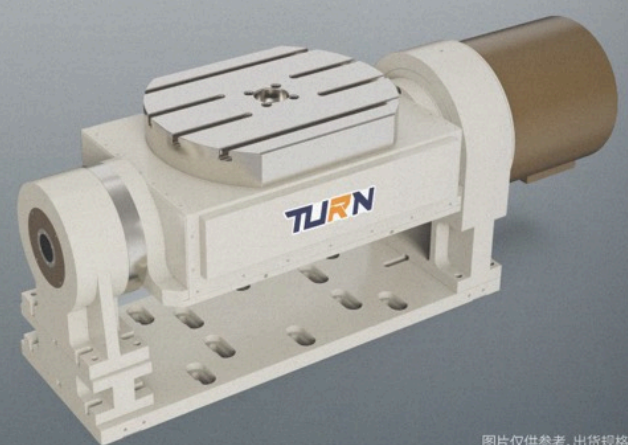


TNC TAR

油压五轴 Hydraulic five-axis

TAR

460TR



图片仅供参考，出货规格以实物为准
The pictures are for reference only. The actual product specifications shall prevail.

型号规则 Model Rules

TAR - 160 - C - R - L

- TAR：五轴 Five-axis
- 160：表示型号代码 Indicates model code（160 /170 / 210）
- C：滚子凸轮 Roller Cam
- R：减速机 Reducer
- L：大跨距 Large span

技术特点 Technical Features

高性价比 High cost performance

A轴采用滚子凸轮结构，噪音小、精度高、寿命长，刚性好；C轴采用精密减速机结构，噪音小、精度高，结构简洁，易保养。

The A-axis adopts a roller cam structure with low noise, high precision, long life and good rigidity; the C-axis adopts a precision reducer structure with low noise, high precision, simple structure and easy maintenance.

应用灵活 Flexible application

可灵活应用于各种机床及系统，加工精密中小零件，长零件，广泛用于消费电子，汽车，航空，船泊，新能源等精密零件加工。

It can be flexibly applied to various machine tools and systems to process precision small and medium-sized parts and long parts. It is widely used in precision parts processing in consumer electronics, automobiles, aviation, shipping, new energy, etc.

多种刹车 Multiple brakes

刹车装置采用了气动和液压两种选择，更好的适配用户的需求。

The brake device has two options: pneumatic and hydraulic, to better meet user needs.

装夹多样化 Various clamping options

简单的产品的设计让装夹方式可以更多样化，手动卡盘，气动卡盘，液压卡盘等等装夹方式，可配合机械手，自动夹具等方式来满足更高效的产品加工。

The simple product design allows for more diverse clamping methods, including manual chuck, pneumatic chuck, hydraulic chuck and other clamping methods, which can be combined with robots, automatic fixtures and other methods to meet more efficient product processing.

机械式样表 Mechanical model watch

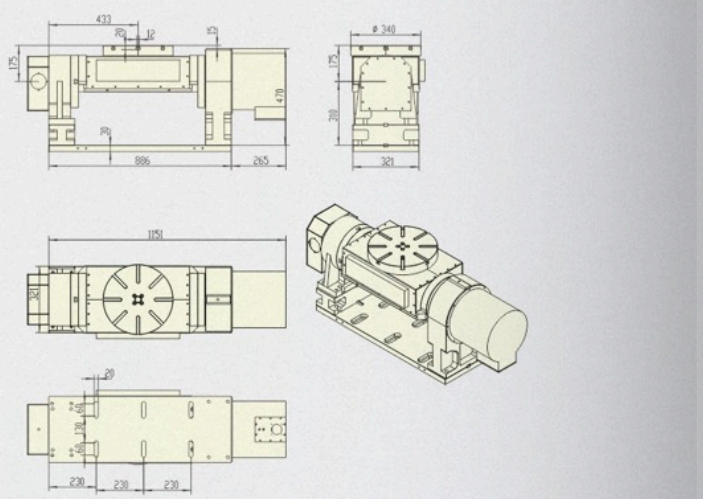
型号 Model	(单位 Unit)	TAR-350RO		TAR-460RO	
盘面直径 Disk diameter	mm	350		400X500	
盘面中心孔直径 Diameter of center hole of disk	mm	30		30	
中心贯穿孔直径 Center through hole diameter	mm	30		30	
盘面高度 Plate height	mm	505		530	
盘面T型槽宽度 Width of T-slot on plate	mm	12		12	
底部导键宽度 Bottom guide key width	mm	18		18	
轴 axis	-	旋转轴	倾斜轴	旋转轴	倾斜轴
最小设定角度 Minimum setting angle	Deg.	4等分	0.001	4等分	0.001
分割精度 Segmentation accuracy	Sec.	20	30	20	30
重复精度 Repeatability	Sec.	4	7	4	7
锁紧方式 Locking method	Kg/cm²	油压	油压	油压	油压
锁紧扭矩 Tightening torque	Kg-m	80	100	100	120
减速比 Reduction ratio	-	-	171	-	171
盘面最大转速 Maximum disk speed	R.P.M	-	17.5	-	17.5
容许工件载荷 Allowable workpiece load	Kg	120		180	
	Kg	200		300	
容许负载(抱闸时) Allowable load (brake holding)	Kgf	800		1200	
	Kgf.m	30		35	
	Kgf.m	21		28	
容许切削 Allowable cutting	Kg.m	35		45	
伺服马达 Servo Motor	三菱 Mitsubishi	-	HF-223BS	-	HF-223BS
	发那科 Fanuc	-	β12	-	β12
	新代 Xindai	-	AM18	-	AM18
转台重量(不含马达) Turntable weight (without motor)	kg	490		125	

TNC TAR

机械平面图
Mechanical plan

型号
Model

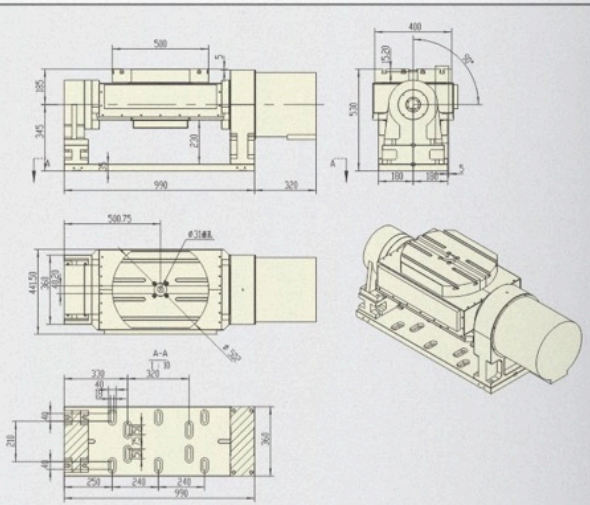
350RO



TNC TAR

型号
Model

460RO



TH TA TO TD

机械平面图
Mechanical plan

型号
Model

手动顶尖尾座
Manual tailstock

170-135H



手动顶尖尾座 Manual tailstock

型号 Model	TH-125-110H	TH-170-135H	TH-210-160H	TH-255-210H
A	110	135	160	210
行程 journey	40	50	50	50
锥度 Taper	MT3	MT4	MT4	MT4
定位键 Locator Key	14	18	18	18

TH TA TO TD

型号
Model

气动顶尖尾座
Pneumatic tailstock

170-135H



气动顶尖尾座 Pneumatic tailstock

型号 Model	TA-125-110H	TA-170-135H	TA-210-160H	TA-255-210H
中心高A Center High A	110	135	160	210
行程 journey	40	50	50	50
锥度 Taper	MT3	MT4	MT4	MT4
定位键 Locator Key	14	18	18	18

TH TA TO TD

型号
Model

液压顶尖尾座
Hydraulic tailstock

170-135H



液压顶尖尾座 Hydraulic tailstock

型号 Model	TO-170-135H	TO-210-160H	TO-255-210H
中心高A Center High A	135	160	210
行程 journey	50	50	50
锥度 Taper	MT4	MT4	MT4
定位键 Locator Key	18	18	18

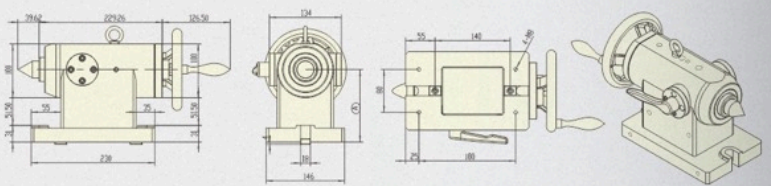
TH TA TO TD

机械平面图
Mechanical plan

型号
Model

手动顶尖尾座
Manual tailstock

170-135H

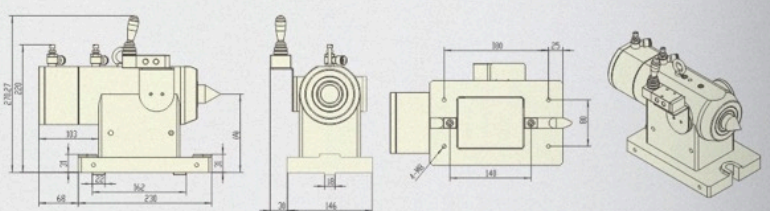


TH TA TO TD

型号
Model

气动顶尖尾座
Pneumatic tailstock

170-135H

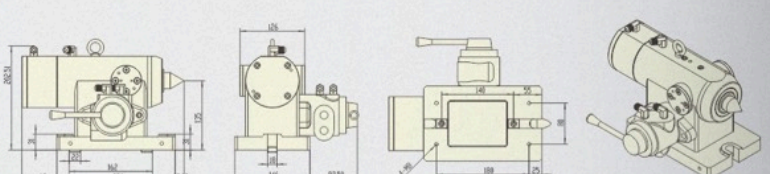


TH TA TO TD

型号
Model

液压顶尖尾座
Hydraulic tailstock

170-135H



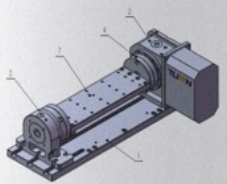
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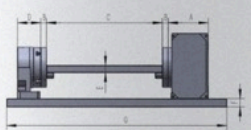
机械平面图
Mechanical plan

型号
Model

转台附件
Turntable accessories

170-135H





圆盘尾座选型 Selection of disc tailstock

1	2	3	4	7
底板 Base Plate	四轴 Four-axis	尾座 Tailstock	L板 L-Board	桥板 Bridge

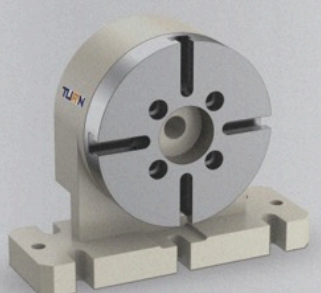
圆盘尾座选型 Selection of disc tailstock

型号 Model	中心高 Center height	A	B	C	D	E	F	G
125	110	145	25		101	25	25	
170	135	172	25		100	30	30	
210	160	185	25		108	30	35	
255	160	185	25		143	30	35	
320	210	239	25		171.5	35	30	

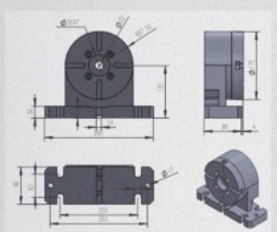
TH TA TO TD

型号
Model

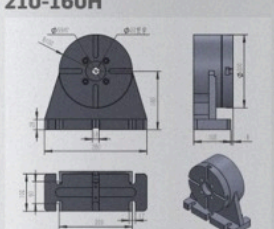
170-135H 210-160H 255-210H 320-210H



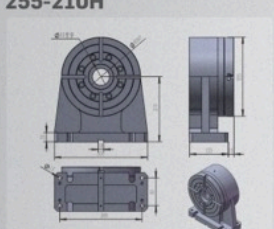
170-135H



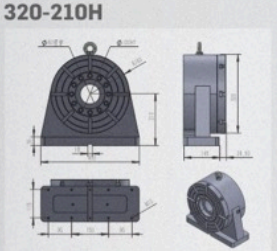
210-160H



255-210H



320-210H



TURN

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