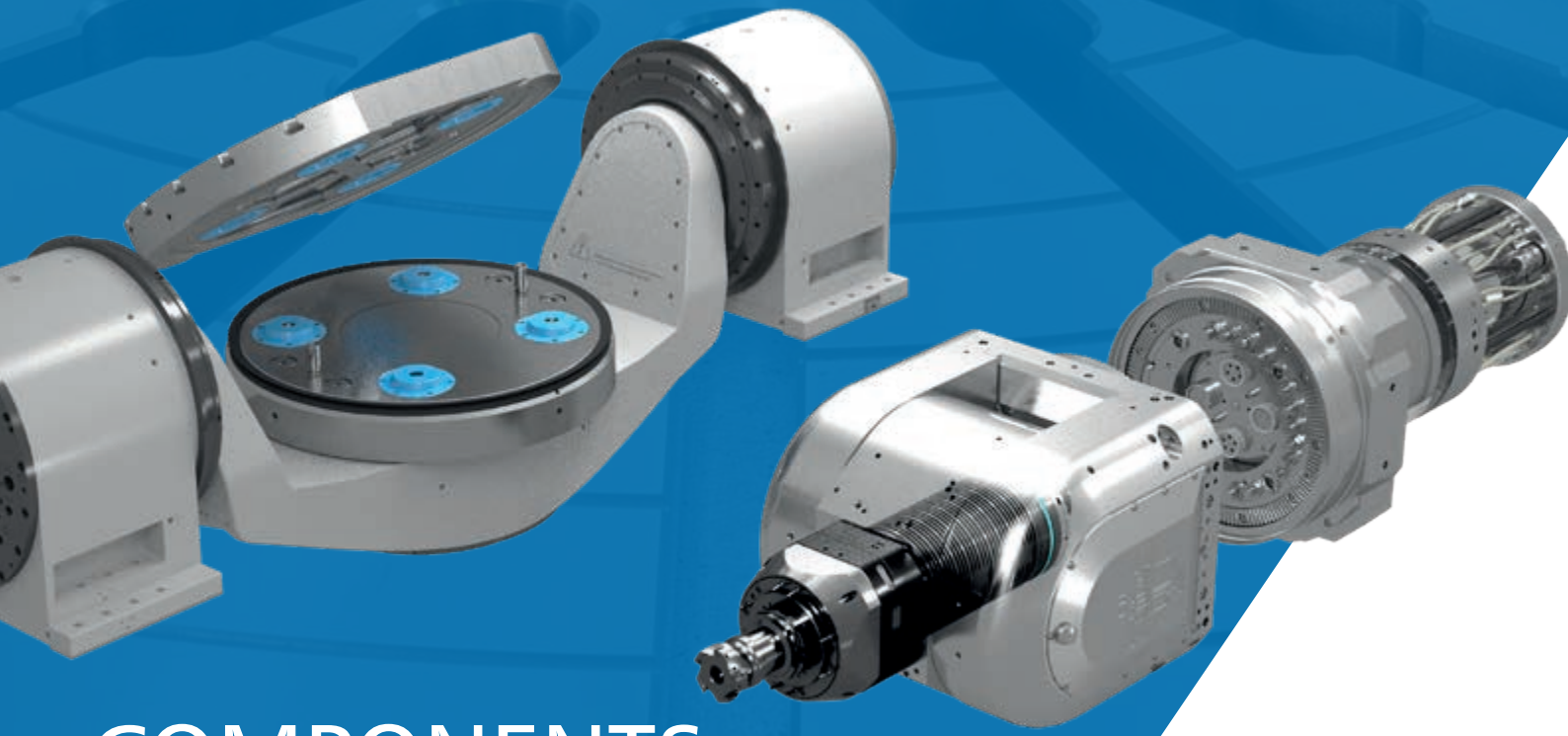
CYTEC

OVERVIEW

CYTEC SYSTEMS

MACHINE TOOL COMPONENTS



COMPONENTS PERFECTION.

CYTEC SYSTEMS TECHNOLOGY INSIDE COMPONENTS PERFECTION

MADE IN GERMANY

CYTEC is a leading manufacturer of high-quality components for machine tools, serving a variety of industries including tool and mold making, automotive, and aerospace engineering. With over 40 years of experience and an international network of production, sales, and service locations, CYTEC has become a permanent player in the market.

At CYTEC, we pride ourselves on our innovative product range and technical expertise, which is reflected in the high-quality of our products. Our team of experienced professionals manufacture all of our products in-house, ensuring that we maintain the highest level of quality control. We offer both standard components and complex, user-oriented systems to meet the specific needs of our customers.

CYTEC's commitment to quality is demonstrated by our regular ISO 9001 audits, which confirm that we meet the highest international standards. Our loyal customer base is a testament to the quality of our products and services, and we are constantly striving to exceed our customers' expectations.

With CYTEC, you can trust that you are getting components that are engineered to perfection. Contact us today to learn more about how we can meet your needs and help you succeed.

1983 - Vision of a locking system

Klaus Klement founded CYTEC in 1983, after inventing a new locking cylinder technology.
The company quickly became successful in manufacturing hydraulic and pneumatic cylinders, particularly in tool and mould making.

1986 - Patent for locking systems

In 1986, Klaus Klement patented a pressure-operated device with a cylinder housing, piston and draw rod for generating and maintaining holding force. This technology was useful for securely holding tools in machine tool change magazines.

1988 - Construction of company location

In 1988, Klaus Klement moved his company CYTEC from the inventor's garage to the industrial sector and built the first two-story production hall for the assembly of cylinders and clamping systems. To this day, CYTEC remains proud of its name's origin.

1992 - Great success of the clamping and locking systems

New patented locking system allows mechanical load generation without constant air pressure. Positive and preloaded piston rod locking in desired position with fall protection and load rigidity. Widely used in positioning and holding across industries.

1996 - CYTEC becomes a manufacturer of motor spindles

In 1996, CYTEC registered new patents, including one for spindle drive in machine tools.
They expanded their product range with motor spindles, becoming a core manufacturer in this field through their introduction of the HSK tool interface.

1996 - Expansion abroad

In 1996, the first foreign production site and CYTEC France are founded. Both are still part of the internationally active group of companies today.

1997 - Technological advances Machine tool components

Patents related to machine tools, including tool-holder coupling, clamping devices, and tool clamping means, bring significant technological advancements to the market.

1999 - First fork milling head with direct drive

CYTEC is a leading company that holds the patent for a direct-drive multiple axis rotary spindle head for milling machines. Their innovation has been influential in shaping the market for high-end milling head technology.

2001 - Foundation CYTEC UK

CYTEC UK was founded in 2001 and remains active in England. The company has also established sales subsidiaries on all continents, expanding its global presence.

2008 - Continuous expansion

Company's HQ witnessed growth with production halls and factory space expansion till 2008 due to significant growth.

2009 - Expansion of the product range

CYTEC's continuous product range expansion through patent registrations and technological agility has established it as a renowned manufacturer of cylinders, clamping technology, motor spindles, milling heads, and rotary tables in the machine tool industry.

2012 - Pioneering position in the market

CYTEC's continued patent registrations have solidified its pioneering position in the market. Its product portfolio now includes cylinders, clamping systems, and machine tool components, with a manufacturing depth exceeding 90%.

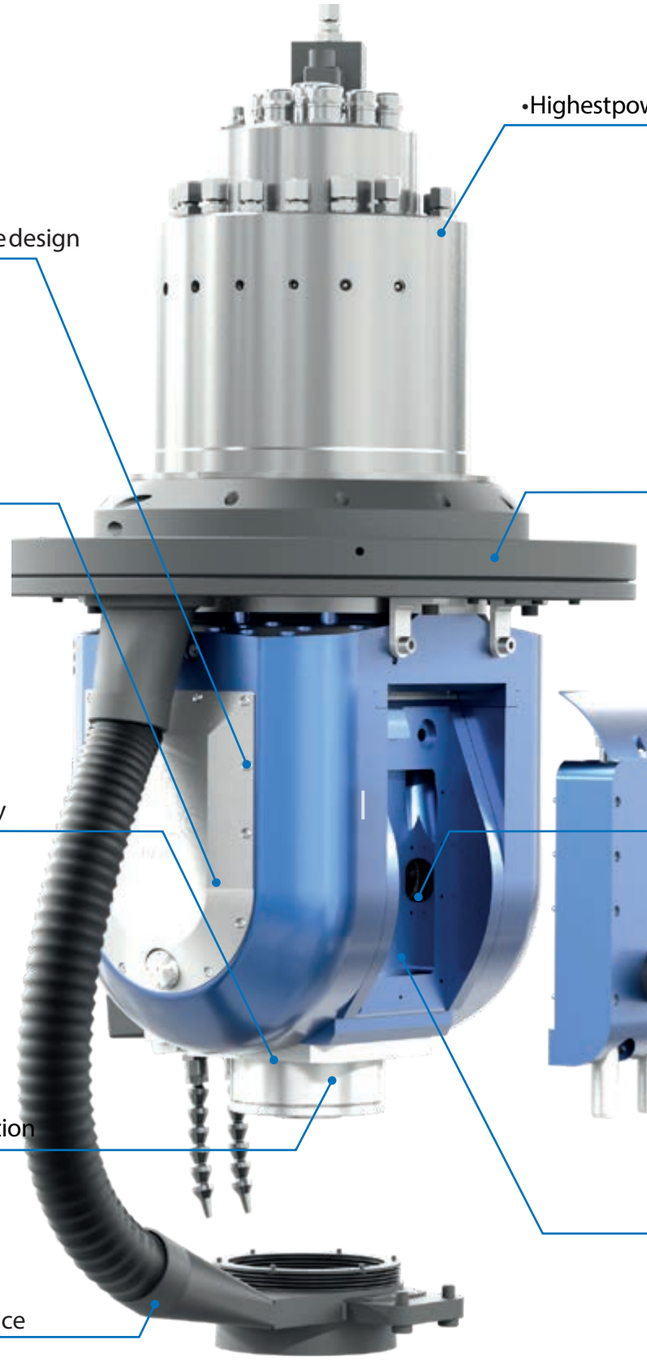
2015 - The next generation CYTEC

Timo Klement, a member of the 2nd family generation, has been managing the company since 2015. CYTEC's vision of „Components Perfection," established in 1983, remains the driving force behind the team's work today.

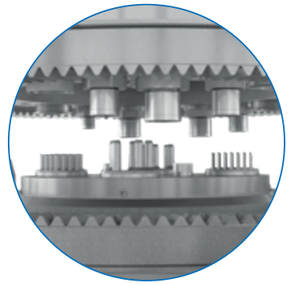
2023 - 40 years CYTEC

In 2023, CYTEC celebrated its 40th anniversary and developed new patents in various product divisions. The company also introduced a new generation of core-pull locking cylinders with the highest retention force in its class.

ONE OPTION for every application

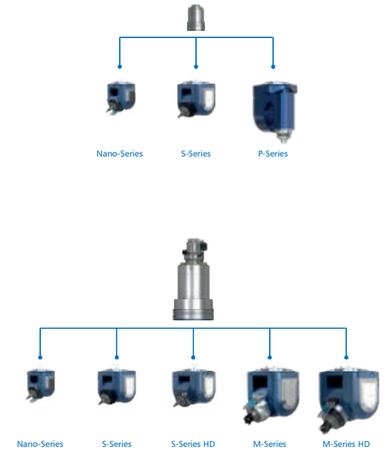


- Highest power density: light compact, rigid and brutal torque in every axis
- Temperature stable and distortion free design
- High accuracy
- External and Internal coolant supply
- The most advanced cooling technology in all drives
- Big variety on spindle options to fit every application
- One part swivel housing for highest accuracy in all dimensions
- Optional suction device



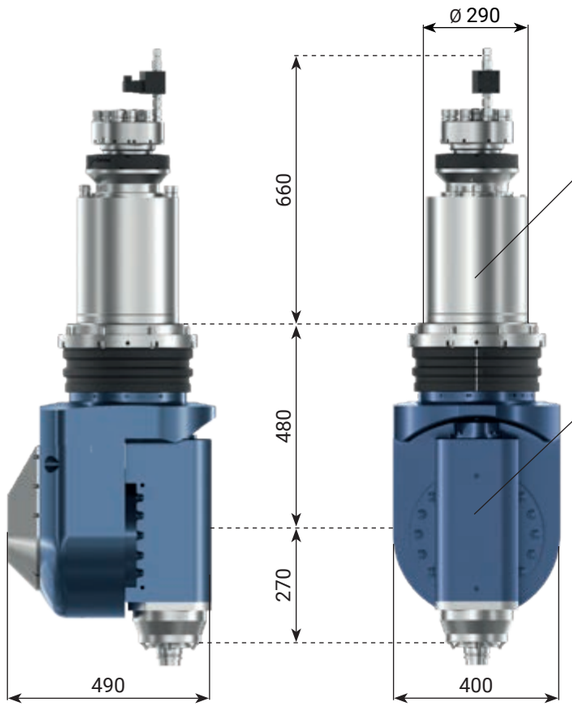
ΔZERO TEMPERATURE CONTROL

CYTEC Technology Exchange Interface



CYTEC TECHNOLOGY INSIDE COMPONENTS PERFECTION

P-Series



C - Axis

Nom./Max. torque: 605 / 1.130 Nm (UHT)
Clamping torque: 2.500 Nm
Swivel angle: ±360°
Measuring system: absolute
Position accuracy : ±2″

A - Axis

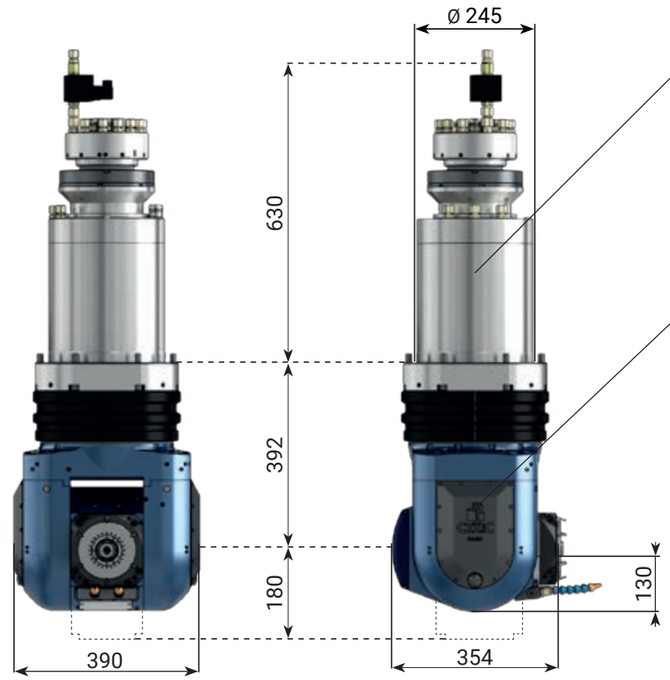
Nom./Max. torque: 550 / 970 Nm (UHT)
Clamping torque: 2.200 Nm
Swivel angle: ±120°
Measuring system: absolute
Position accuracy: ±4″

Total weight approx.: 520 kg

UHT DirectDrives

*Spindle options for P-Series: CS-21-180-A, CS-25-180-A, CS-28-180-A, CS-40-180-S - see page 16

Nano-Series



C - Axis

Nom./Max. torque: 605 / 1.130 Nm (UHT)
Clamping torque: 2.500 Nm
Swivel angle: ±360°
Measuring system: absolute
Position accuracy : ±2″

A - Axis

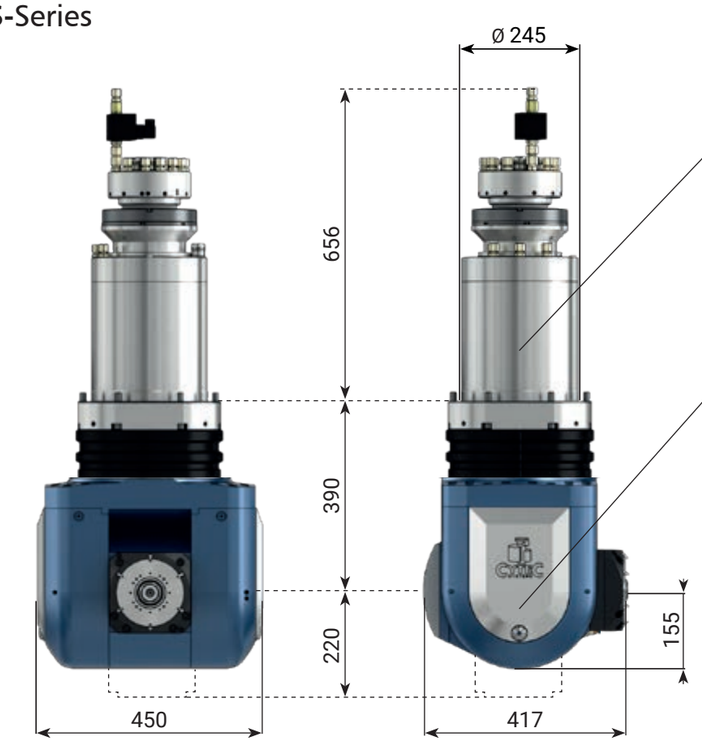
Nom./Max. torque: 165 / 310 Nm (UHT)
Clamping torque: 1.000 Nm
Swivel angle: ±115°
Measuring system: absolute
Position accuracy: ±4″

Total weight approx.: 290 kg

UHT DirectDrives

*Spindle options for Nano-Series (Ø135 mm) see page 15

S-Series



C - Axis

Nom./Max. torque: 430 / 820 Nm
Nom./Max. torque: 650 / 1.120 Nm (UHT)
Clamping torque: 2.500Nm
Swivel angle: ±360°
Measuring system: absolute
Position accuracy: ±2″

A - Axis

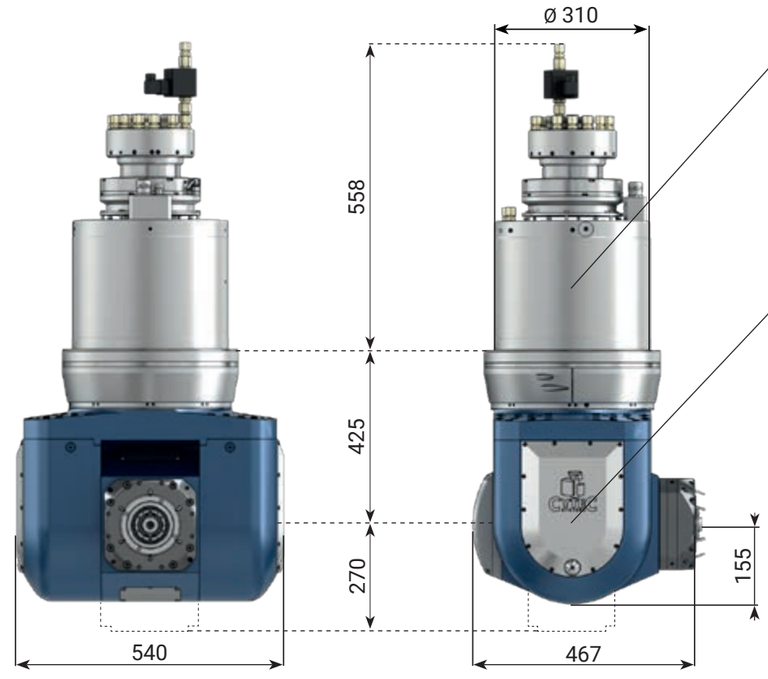
Nom./Max. torque: 400 / 770 Nm
Nom./Max. torque: 580 / 1.000 Nm (UHT)
Clamping torque: 2.500Nm
Swivel angle: ±110°
Measuring system: absolute
Position accuracy: ±4″

Total weight approx.: 350 kg

UHT DirectDrives

*Spindle options for S-Series (Ø135 mm) see page 15

S-Series HD



C - Axis

Nom./Max. torque: 670 / 1.320 Nm
Nom./Max. torque: 860 / 1410 Nm (UHT)
Clamping torque: 3.000 Nm
Swivel angle: ±360°
Measuring system: absolute
Position accuracy: ±2″

A - Axis

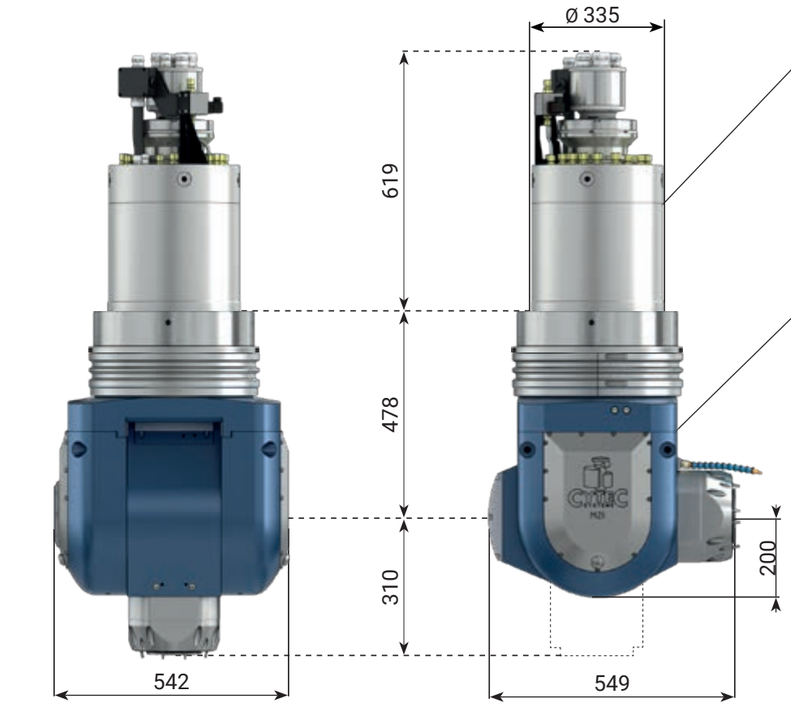
Nom./Max. torque: 630/ 1.190 Nm
Nom./Max. torque: 830 / 1.410 Nm (UHT)
Clamping torque: 3.000 Nm
Swivel angle: ±110°
Measuring system: absolute
Position accuracy: ±4″

Total weight approx.: 495 kg

UHT DirectDrives

*Spindle options for S-Series HD (Ø160 mm) see page 15

M-Series



C - Axis

Nom./Max. torque: 1.020 / 1.960 Nm
Nom./Max. torque: 1.430 / 2.290 Nm (UHT)
Clamping torque: 4.000 Nm
Swivel angle: ±360° /cont.
Measuring system: absolute
Position accuracy: ±2″

A - Axis

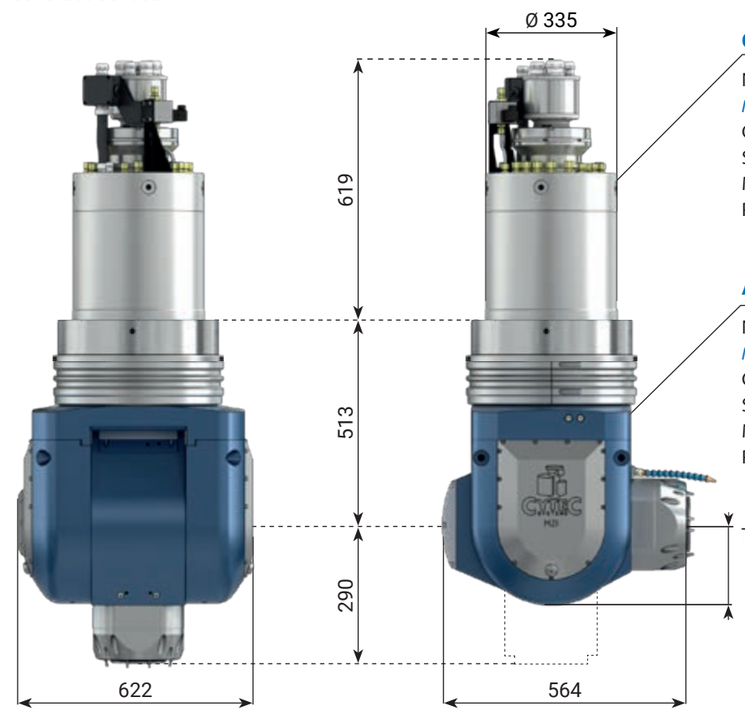
Nom./Max. torque: 840 / 1.340 Nm
Nom./Max. torque: 1.100 / 1.940 Nm (UHT)
Clamping torque: 4.000 Nm
Swivel angle: ±110°
Measuring system: absolute
Position accuracy: ±4″

Total weight approx.: 950 kg

UHT DirectDrives

*Spindle options for M-Series (Ø180 mm) see page 16

M-Series HD



C - Axis

Nom./Max. torque: 1.020 / 1.960Nm
Nom./Max. torque: 1.430 / 2.290 Nm (UHT)
Clamping torque: 4.000 Nm
Swivel angle: ±360 ° /cont.
Measuring system: absolute
Position accuracy: ±2″

A - Axis

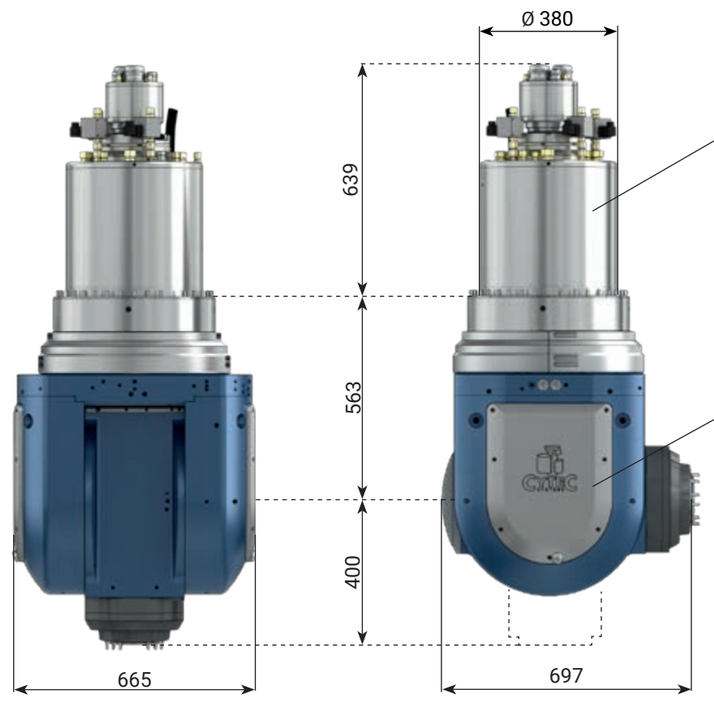
Nom./Max. torque: 1.120 / 2.070 Nm
Nom./Max. torque: 1.680 / 2.870 Nm (UHT)
Clamping torqu: 5.000 Nm
Swivel angle: ±110°
Measuring system: absolute
Position accuracy: ±4″

Total weight approx.: 960 kg

UHT DirectDrives

*Spindle options for M-Series HD (Ø200 mm) see page 17

G-Series



C - Axis

Nom./Max. torque: 1.830 / 3.550 Nm
Nom./Max. torque: 2.605 / 4.300 Nm (UHT)
Clamping torque: 7.000 Nm
Swivel angle [°]: ±360/cont.
Measuring system: absolute
Position accuracy [″]: ±2

A - Axis

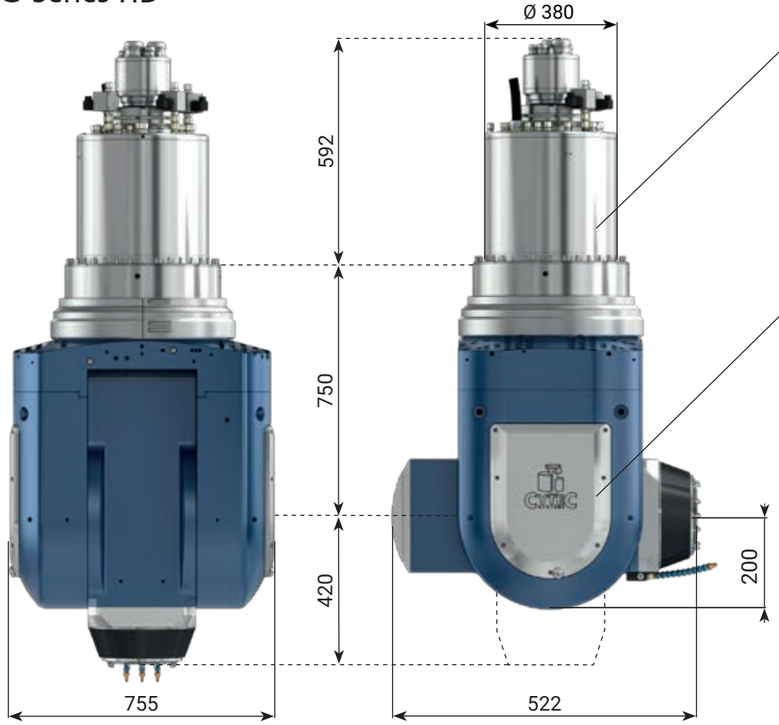
Nom./Max. torque: 2.000 / 3.700 Nm
Nom./Max. torque: 3035 / 5460 Nm (UHT)
Clamping torque: 7.000 Nm
Swivel angle: ±110 °
Measuring system: absolute
Position accuracy: ±2″

Total weight approx.: 1.200 kg

UHT DirectDrives

*Spindle options for G-Series HD (Ø238 mm) see page 17

G-Series HD



C - Axis

Nom./Max. torque: 2.530/ 4.400 Nm
Nom./Max. torque: 3.455 / 5.740 Nm (UHT)
Clamping torque: 7.500 Nm
Swivel angle: ±360° /cont.
Measuring system: absolute
Position accuracy: ±2″

A - Axis

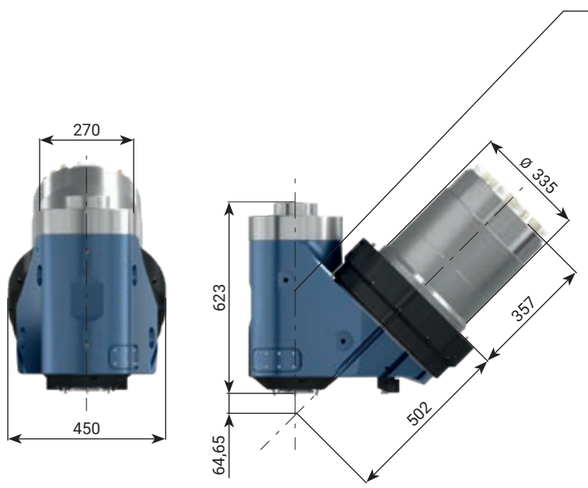
Nom./Max. torque: 2.740 / 5.080 Nm
Nom./Max. torque: 4.145 / 6.285 Nm (UHT)
Clamping torque: 7.500 Nm
Swivel angle: ±110°
Measuring system: absolute
Position accuracy: ±2″

Total weight approx.: 2.100 kg

UHT DirectDrives

*Spindle options for G-Series HD (Ø260 mm) see page 18

M-Series 45°



A - Axis

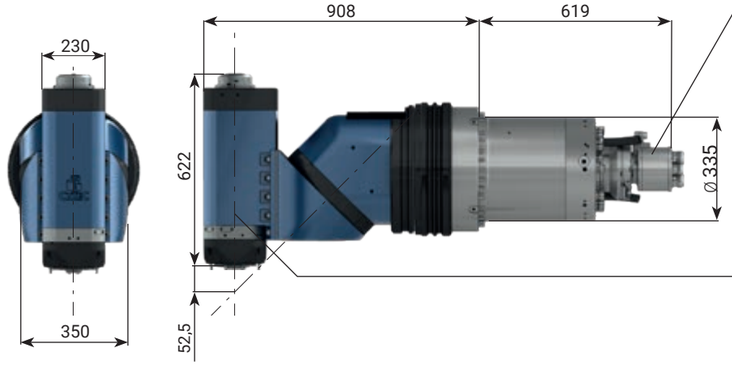
Nom./Max. torque: 900 / 1.680 Nm
Nom./Max. torque: 1.150 / 1.950 Nm (UHT)
Clamping torque: 4.000 Nm
Swivel angle: ±180°
Measuring system: absolute
Position accuracy: ±2″

Total weight approx.: 410 kg

UHT DirectDrives

*Spindle options for M-Series 45° (Ø180 mm) see page 16

M-Series 2x 45°



C - Axis

Nom./Max. torque: 1.020 / 1.960 Nm
Nom./Max. torque: 1430 / 2290 Nm (UHT)
Clamping torque: 4.000 Nm
Swivel angle: ±360°
Measuring system: absolute
Position accuracy: ±2″

A - Axis

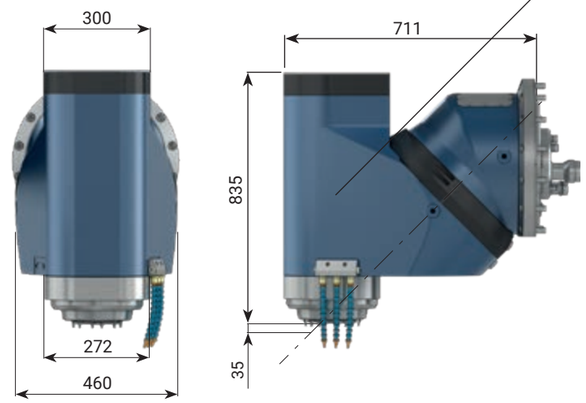
Nom./Max. torque: 670 / 1.320 Nm
Nom./Max. torque: 860 / 1.410 Nm (UHT)
Clamping torque: 2.000 Nm
Swivel angle: ±180°
Measuring system: absolute
Position accuracy: ±2″

Total weight approx.: 870 kg

UHT DirectDrives

*Spindle options for M-Series HD (Ø180 mm) see page 16

M-Series 45° HD



A - Axis

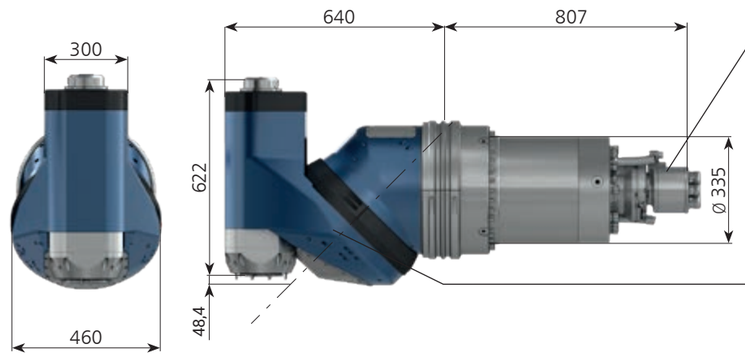
Nom./Max. torque: 780 / 1.470 Nm
Nom./Max. torque:1.150 /1.950 Nm (UHT)
Clamping torque: 2.500 Nm
Swivel angle: ±190°
Measuring system: absolute
Position accuracy: ±2″

Total weight approx.: 780 kg

UHT DirectDrives

*Spindle options for M-Series 45° HD (Ø200 mm) see page 17

M-Series 2x 45° HD



C - Axis

Nom./Max. torque: 1.020 / 1.960 Nm
Nom./Max. torque:1430 /2290 Nm (UHT)
Clamping torque: 4.000 Nm
Swivel angle: ±360°
Measuring system: absolute
Position accuracy: ±2″

A - Axis

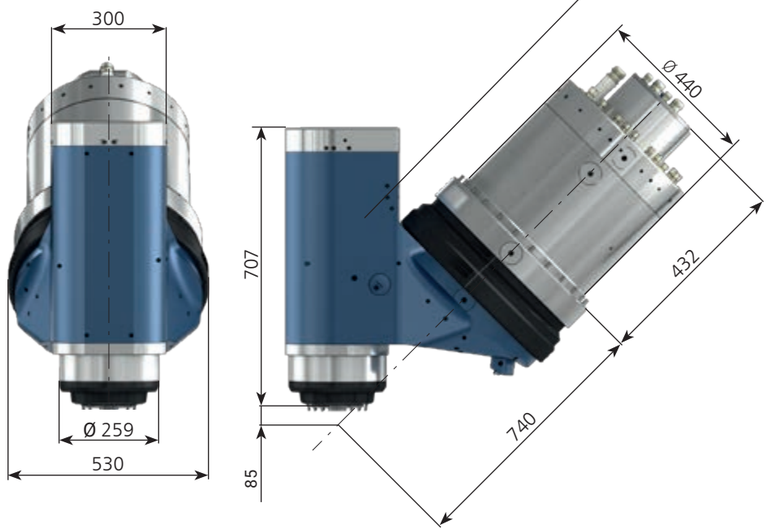
Nom./Max. torque: 780 / 1.470 Nm
Nom./Max. torque:1.100/1.750 Nm (UHT)
Clamping torque: 2.500 Nm
Swivel angle: ±190°
Measuring system: absolute
Position accuracy: ±2″

Total weight approx.: 960 kg

UHT DirectDrives

*Spindle options for M-Series 45° HD (Ø200 mm) see page 17

G-Series 45°



A - Axis

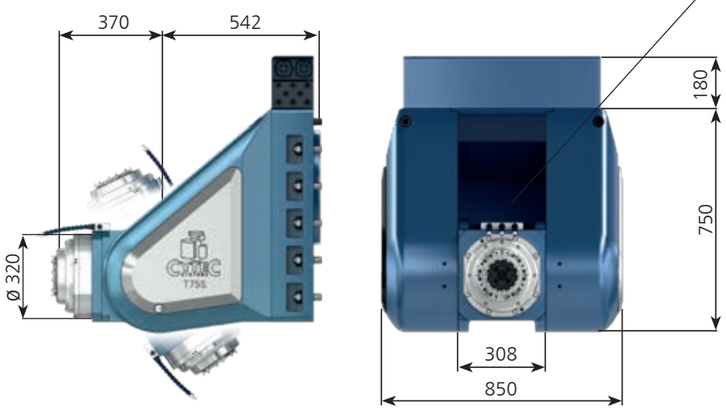
Nom./Max. torque: 1.830 / 3.550 Nm
Nom./Max. torque:2.605 /4.300 Nm (UHT)
Clamping torque: 5.500 Nm
Swivel angle: ±180°
Measuring system: absolute
Position accuracy: ±2"

Total weight approx.: 870 kg

UHT DirectDrives

*Spindle options for G-Series (Ø238 mm) see page 17

T-Series



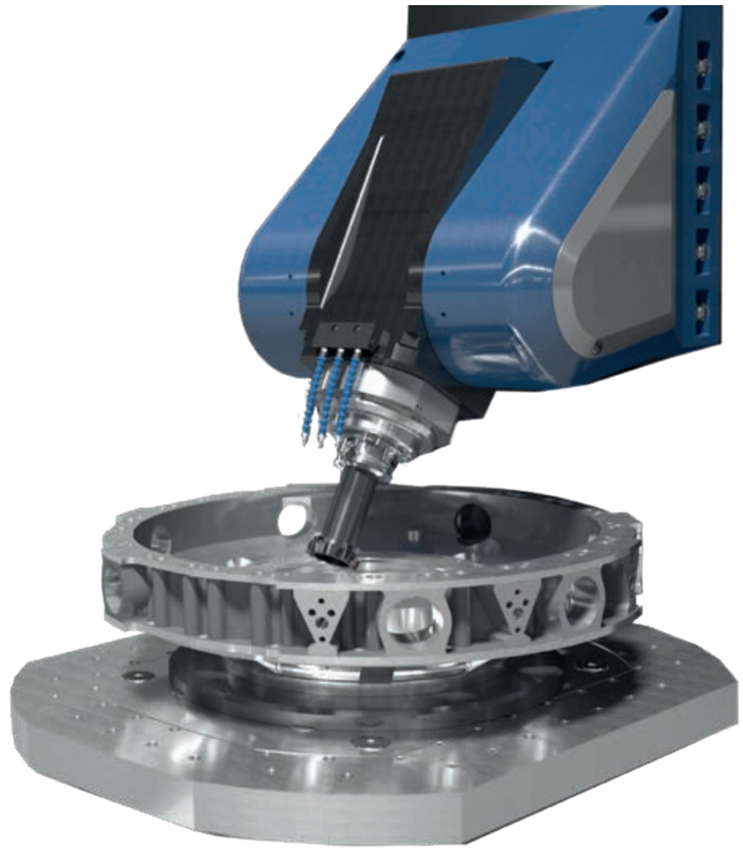
A - Axis

Nom./Max. torque: 2.380/ 4.400 Nm
Nom./Max. torque:3.405 /5.770 Nm (UHT)
Clamping torque: 6.500 Nm
Swivel angle: -135° / +55°
Measuring system: absolute
Position accuracy: ±2"

Total weight approx.: 870 kg

UHT DirectDrives

*Spindle options for T-Series (Ø238 mm / Ø260 mm) see page 17



CYMILL Advantages:

- HIGHEST POWER DENSITY: LIGHT COMPACT, RIGID AND BRUTAL TORQUE IN EVERY AXIS
- TEMPERATURE STABLE AND DISTORTION FREE DESIGN FOR CONSTANT ACCURACY
- ONE PART SWIVEL HOUSING FOR HIGHEST ACCURACY IN ALL DIMENSIONS
- HUGE VARIETY ON SPINDLE OPTION TO FIT EVERY APPLICATION
- UNIVERSAL FIT FOR ANY MACHINE TOOL
- PATENTED DIRECT - DRIVE TECHNOLOGY

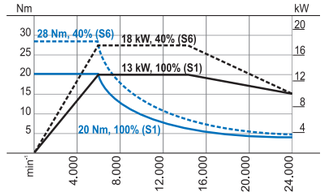
- **CyTwist -** Automatic hydromechanical tool clamping system
- CST (MILL / TURN)
- Asynchronous / synchronous motor options
- Varions lubrication options for maximum lifespan for all applications
- Internal coolant supply
- Minimum quantity lubrication
- Cooled rotation union
- High-resolution incremental encoders with position detection
- High performance stator and bearing cooling for homogenous temperature curve

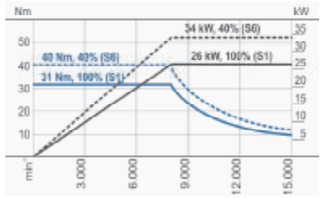
ΔZERO TEMPERATURE CONTROL

- Clamping and plant control monitoring
- External coolant supply CTS
- High-performance hybrid bearing
- Integrated process monitoring
- analog or digital tool monitoring options

CYTEC SYSTEMS TECHNOLOGY INSIDE COMPONENTS PERFECTION

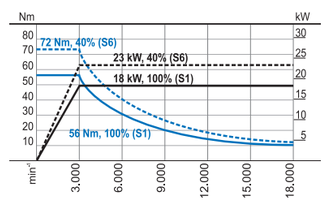
NANO-Series (Ø135mm)

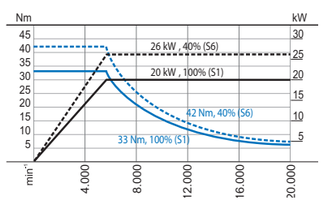




Series:	CS-13-135-A	CS-26-135-S
PowerS1/S6:	13/18 kW	26/34 kW
Nom.speed:	6.000 r.p.m.	8.000 r.p.m.
TorqueS1/S6:	20/28 Nm	31/40 Nm
Max. speed:	24.000 r.p.m	15.000 r.p.m.
Toolsystem:	HSK-A63	HSK-A63

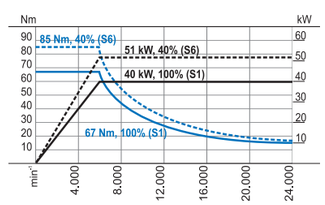
S-Series (Ø135mm)

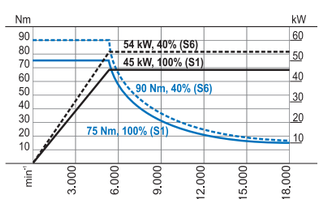




Series:	CS-18-135-S	CS-20-135-A
PowerS1/S6:	18/23 kW	20/26 kW
Nom.speed:	3.000 r.p.m.	6.000 r.p.m.
TorqueS1/S6:	56/72 Nm	33/42 Nm
Max. speed:	18.000 r.p.m.	20.000 r.p.m.
Toolsystem:	HSK-A63	HSK-A63

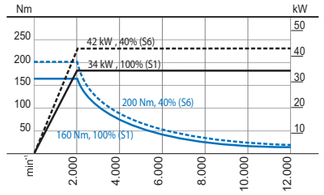
S-Series HD (Ø160mm)

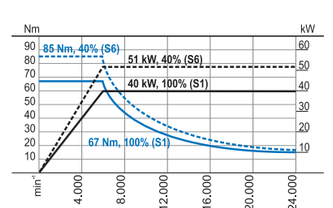




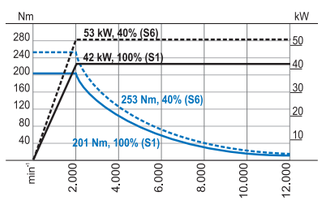
Series:	CS-40-160-S	CS-45-160-S
PowerS1/S6:	40/51 kW	45/54 kW
Nom.speed:	5.700 r.p.m.	5.700 r.p.m.
TorqueS1/S6:	67/85 Nm	75/90 Nm
Max. speed:	24.000 r.p.m.	18.000 r.p.m.
Toolsystem:	HSK-A63	HSK-A63

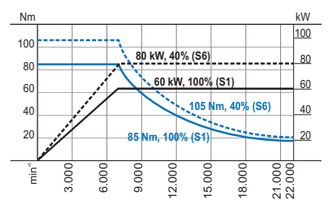
M-Series (Ø180mm)





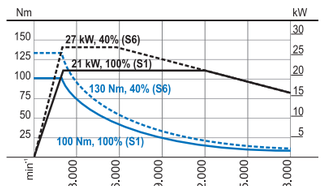
Series:	CS-34-180-S	CS-40-180-S
PowerS1/S6:	34/42 kW	40/51 kW
Nom.speed:	2.000 r.p.m.	5.700 r.p.m.
TorqueS1/S6:	160/200 Nm	67/85 Nm
Max. speed:	12.000 r.p.m.	24.000 r.p.m.
Toolsystem:	HSK-A100	HSK-A63

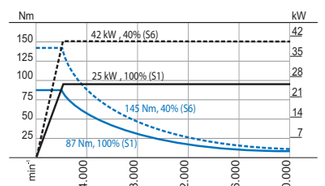


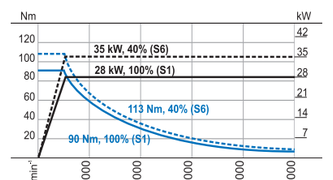


Series:	CS-42-180-S / CST-42-180-S	CS-60-180-S
PowerS1/S6:	42/53 kW	60/80 kW
Nom.speed:	2.000 r.p.m.	7.000 r.p.m.
TorqueS1/S6:	201/253 Nm	85/105 Nm
Max. speed:	12.000 r.p.m.	22.000 r.p.m.
Toolsystem:	HSK-A100	HSK-A63

CYTEC SELECT

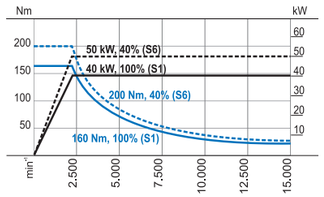


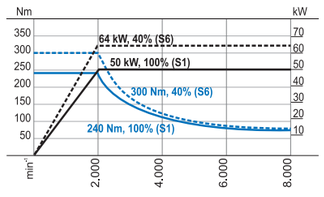




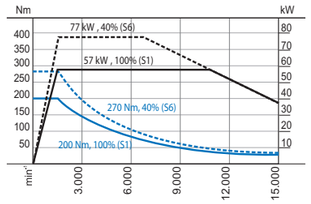
Series:	CS-21-180-A (*SELECT*)	CS-25-180-A (*SELECT*)	CS-28-180-A (*SELECT*)
PowerS1/S6:	21/27 kW	25/42 kW	28/35 kW
Nom.speed:	2.000 r.p.m.	2.000 r.p.m.	2.000 r.p.m.
TorqueS1/S6:	100/130 Nm	87/145 Nm	90/113 Nm
Max. speed:	18.000 r.p.m.	20.000 r.p.m.	20.000 r.p.m.
Toolsystem:	HSK-A63	HSK-A63	HSK-A63

M-Series HD (Ø200mm)





Series:	CS-40-200-S	CS-50-200-S / CST-50-200-S
PowerS1/S6:	40/50 kW	50/64 kW
Nom.speed:	2.400 r.p.m.	2.000 r.p.m.
TorqueS1/S6:	160/200 Nm	240/300 Nm
Max. speed:	15.000 r.p.m.	8.000 r.p.m.
Toolsystem:	HSK-A100	HSK-A100



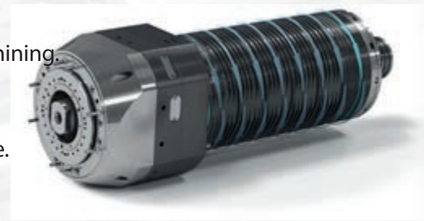
Series:	CS-57-200-S
PowerS1/S6:	57/65 kW
Nom.speed:	2.700 r.p.m.
TorqueS1/S6:	200/270 Nm
Max. speed:	12.500 r.p.m.
Toolsystem:	HSK-A100

CYSPEED *Select* motorspindles are the most frequent used motorspindles in the market.
In due to the high demand, these motorspindles are produced to stock.

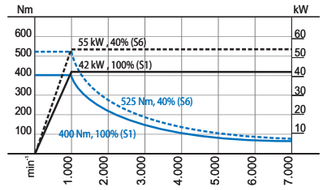
Rapid delivery time | Competitive pricing | Big Stock | 40 Years of experience | Refurbished program | Global Sales & Service | 36 months warranty

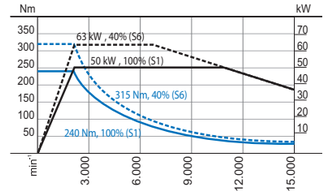
CYSPEED Advantages:

+ CYTEC hydromechanical tool clamping system for failsafe machining.
+ Hybrid bearing combination for highest performance, rigidity, accuracy and spindle lifetime.
+ Delta-Zero Temperature control for homogeneous temperature.
+ Most compact design.
+ Unique grasping safety of clamping system with 2.5mm stroke.
+ Rotary Joint in Standard configuration.

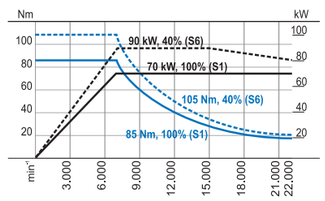


G-Series/**T**- Series (Ø238mm)



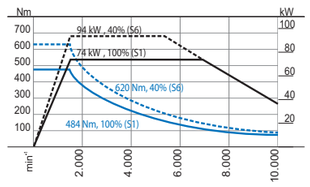


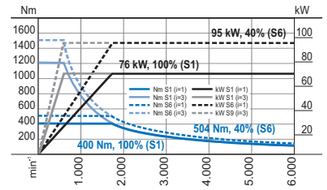
Series:	CS-42-238-S	CS-50-238-A / CST-50-238-A
PowerS1/S6:	42/55 kW	50/63 kW
Nom.speed:	1.000 r.p.m.	2.000 r.p.m.
TorqueS1/S6:	400/525 Nm	248/315 Nm
Max. speed:	7.000 r.p.m.	15.000 r.p.m.
Toolsystem:	HSK-A100 / SK50/C8	HSK-A100



Series:	CS-70-238-S
PowerS1/S6:	70/90 kW
Nom.speed:	8.000 r.p.m.
TorqueS1/S6:	85/105 Nm
Max. speed:	22.000 r.p.m.
Toolsystem:	HSK-A63

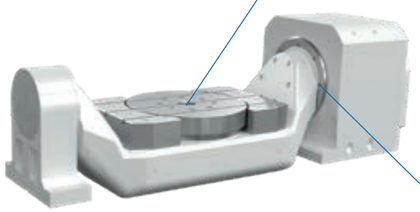
G-Series HD/**T**-Series (Ø260mm)





Series:	CS-74-260-A	CSG-76-300-S
PowerS1/S6:	74/94 kW	76/95 kW
Nom.speed:	1.600 r.p.m.	1.800 r.p.m. (i=1) / 600 r.p.m. (i=3)
TorqueS1/S6:	484/620 Nm	400/504 Nm (i=1) / 1.200/1.512 Nm (i=3)
Max. speed:	10.000 r.p.m.	6.000 r.p.m.
Toolsystem:	HSK-A100 / SK-50	HSK-A100

CRT-2-400/ **CRT-**2-400-M/T



C - Axis	HighTorque	HighSpeed
Diameter [mm]:	400	400
Rated/max.torque[Nm]	330 / 430	250 / 441
Clamping torque [Nm]:	1.600	1.600
Speed max. [rpm]:	500	1.200
Load max. [kg]	500	500
Position accuracy ["]:	1/2/4	1/2/4

A - Axis	HighTorque
Rated/max. torque [Nm]	780 / 1.470
Clamping torque [Nm]:	4.600
Speed max. [rpm]:	95
Position accuracy ["]:	1/2/4

UHT DirectDrives

CRT-2-600

C - Axis	HighTorque
Diameter [mm]:	600 - 750
Rated/max.torque[Nm]	630 / 1.170
Clamping torque [Nm]:	3.000
Speed max. [rpm]:	100
Load max. [kg]	400
Position accuracy ["]:	1/2/4

A - Axis	HighTorque
Rated/max. torque [Nm]	2.125 / 3.955
Clamping torque [Nm]:	5.000
Speed max. [rpm]:	50
Position accuracy ["]:	1/2/4

UHT DirectDrives

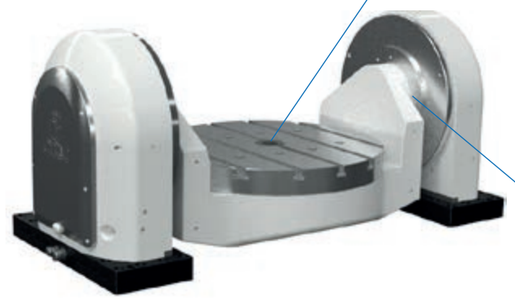
CRT-2-630/800 **CRT-**2-630/800-M/T

C - Axis	HighTorque	HighSpeed
Diameter [mm]:	630 / 800	630 / 800
Rated/max.torque[Nm]	1.180 / 1.930	860 / 1.390
Clamping torque [Nm]:	2.800	2.800
Speed max. [rpm]:	105	1.000
Load max. [kg]	750	75
Position accuracy ["]:	1/2/4	1/2/4

A - Axis	HighTorque
Rated/max. torque [Nm]	3.620 / 5.720
Clamping torque [Nm]:	5.640
Speed max. [rpm]:	80
Position accuracy ["]:	1/2/4

UHT DirectDrives

CRT-2-660/ **CRT-**2-660-M/T

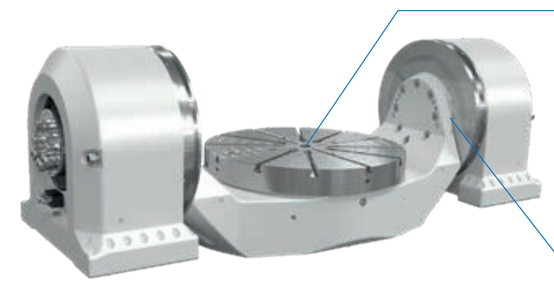


C - Axis	HighTorque	HighSpeed
Diameter [mm]:	660	660
Rated/max.torque[Nm]	1.280 / 2.390	750 / 1.500
Clamping torque [Nm]:	4.000	4.000
Speed max. [rpm]:	95 / 129	650 / 800
Load max. [kg]	1000	1000
Position accuracy ["]:	1/2/4	1/2/4

A - Axis	HighTorque
Rated/max. torque [Nm]	1.995 / 3.700
Clamping torque [Nm]:	7.000
Speed max. [rpm]:	100 / 145
Position accuracy ["]:	1/2/4

UHT DirectDrives

CRT-2-800 **CRT-**2-800-M/T



C - Axis	HighTorque	HighSpeed
Diameter [mm]:	800	800
Rated/max.torque[Nm]	1.200 / 2.000	1.000 / 1.500
Clamping torque [Nm]:	4.000	4.000
Speed max. [rpm]:	310	635 / 1.000
Load max. [kg]	1000	1000
Position accuracy ["]:	1/2/4	1/2/4

A - Axis	HighTorque
Rated/max. torque [Nm]	4.990 / 9.540
Clamping torque [Nm]:	10.000
Speed max. [rpm]:	60 / 95
Position accuracy ["]:	1/2/4

UHT DirectDrives

CYTURN Advantages:

- HIGHEST POWER DENSITY: LIGHT COMPACT, RIGID AND BRUTAL TORQUE IN EVERY AXIS
- TEMPERATURE STABLE AND DISTORTION FREE DESIGN FOR CONSTANT ACCURACY
- ONE PART SWIVEL HOUSING FOR HIGHEST ACCURACY IN ALL DIMENSIONS
- HUGE ON SPINDLE OPTION TO FIT EVERY APPLICATION
- UNIVERSAL FIT FOR ANY MACHINE TOOL
- MOST ADVANCED DIRECT – DRIVE TECHNOLOGY, DECADES OF EXPERTISE

DYNAMIC MEETS PRECISION

Series:	**S-Line**	**M-Line**	**G-Line**
Size:	**400 - 600**	**600 - 1200**	**1200 - 1800**
Bearing Ø [mm]:	260 - 325	325 - 580	580 - 850
Motor:	RM 310 HT	RM 410 HT	RM 564 HT
Rated torque up to [Nm]:	2.530	4.400	9.050
Peak torque up to [Nm]:	4.400	7.550	17.000
Clamping torque up to [Nm]:	6.000	12,000	20.000
Speed max. [rpm]:	100	75	50
Load max. [kg]:	1.000	2.000 - 3.000	4.000 - 6.000
Pos. accuracy ["]:	2,5 / 5	1 / 2,5 / 5	1 / 2,5 / 5
Optional Turning function			
Speed max. up to* [rpm]:	2.000	1.500	800
Load max. [kg]:	1.000	1.100 - 2.000	2.000 - 3.000

*The overview represents the range of technical data for an application oriented definition of the optimum type of motor.
Technical parameters are not valid in combination with max values.

CYTURN Options:

- + **MILL/TURN OPERATION**
- + **BUILT-IN CLAMPING SYSTEMS**
- + **AUTOMATIC BALANCING SYSTEM**
- + **ULTRA PRECISION PACKAGE**
- + **HIGH CLAMPING TORQUE**
- + **OPTIONAL FACE PLATES**
- + **TOOL MEASURING SYSTEM**

NPS-H-090-CY1 FLAT

NPS-P-090-CY1 CONE

	Technical Data	**Technical Data**
Clamping Force [kN]:	35 (35 bar)	35 (40 bar)
Max. clamping force: [kN]:	40	35
max. clamping pressure [bar]:	35	40
max. releasing pressure [bar]:	40	6
max. purging air pressure [bar]:	10	10
mounting position:	universal	universal
repeat accuracy [µm]:	≤ 5	5,00
weight [kg]:	3,5	2,23
operation temperature range [°C]:	+5 - +50	+5 - +50
adm. air humidity [%]:	0 -70	0 - 70
oil:	HLP DIN51524 (VG32-100)	HLP DIN51524 (VG32-100)

CYTAB Advantages:

- + **SELF CENTERING**
- + **COMPACT**
- + **high clamping force**
- + **CLAMPING MONITORING**

  electrically, pneumatically, hydraulically
- + **FACE CONTACT CONTROL**
- + **AIR BLAST**
- + **CONE CLEANING**
- + **HYDR./PNEUMATIC BOOSTER**

CYTEC WORLD WIDE

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Jülich

CYTEC France
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CYTEC USA
Florida

CYTEC Taiwan
Taichung

CYTEC China
Shanghai, Jinan

CYTEC UK
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