

Tavole Rotanti  
Rotary Tables

**MORE VALUE FOR YOUR MACHINE.**

**HSD<sup>®</sup>**  
**MECHATRONICS**



# CARATTERISTICHE PRINCIPALI TAVOLE ROTANTI ROTARY TABLES MAIN FEATURES



## ELEVATA QUALITÀ DEI MATERIALI

- Alta capacità di carico
- Rigidezza elevata

## HIGH QUALITY OF MATERIALS

- High load capacity
- High rigidity



## ALTA POTENZA FRENANTE FINO A 10.000 Nm

- Capacità di eseguire lavorazioni di fresatura e foratura pesanti

## HIGH BRAKING POWER UP TO 10.000 Nm

- Heavy milling & boring machining capabilities

## FRENO DI SICUREZZA

- La tavola rimane in posizione senza pressione nel sistema

## SAFETY BRAKE

- The table remain in the same position without pressure in the system



## TECNOLOGIA DIRECT DRIVE

- Elevata velocità
- Elevata dinamica
- Alta accuratezza

## DIRECT DRIVE TECHNOLOGY

- High speed
- High dynamics
- High accuracy

## MOTORI TORQUE HSD

## HSD TORQUE MOTORS



## AMPIA GAMMA DI PIATTELLI OPZIONALI

## WIDE RANGE OF OPTIONAL PLATES



## ENCODER DIRETTI FINO A ±2,5 arcsec

- Precisione e qualità di lavorazione

## DIRECT ENCODER UP TO ±2,5 arcsec

- Precision & machining quality



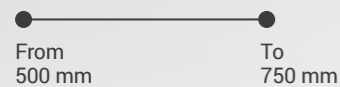
## AMPIA GAMMA DI OPZIONI DISPONIBILI

- Giunto rotante idraulico e pneumatico a 4 vie
- Sensore di pressione per il controllo dei freni
- Dispositivo elettrico per il controllo della temperatura dei motori Torque HSD

## WIDE RANGE OF AVAILABLE OPTIONS

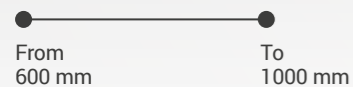
- Hydraulic & pneumatic 4-ways rotary joint
- Pressure sensor for brakes monitoring
- Electrical device for checking of the HSD Torque motor temperature

### RBT



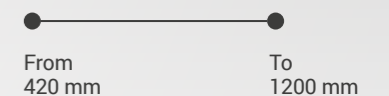
Dimensioni piattello  
Plate sizes

### RHT



Dimensioni piattello  
Plate sizes

### RCT



Dimensioni piattello  
Plate sizes



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# Tavole Rotanti Rotary Tables



## TAVOLE ROTANTI HSD HSD ROTARY TABLES

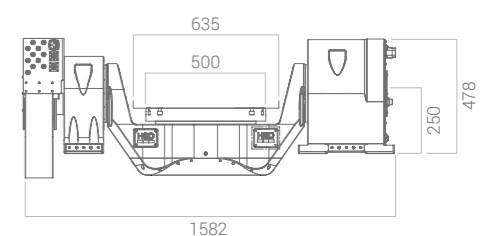
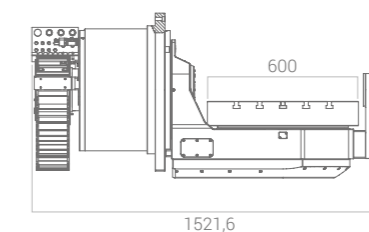
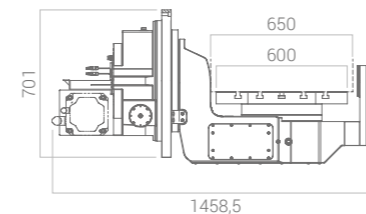
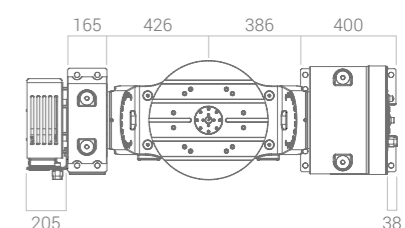
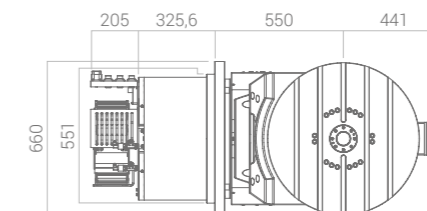
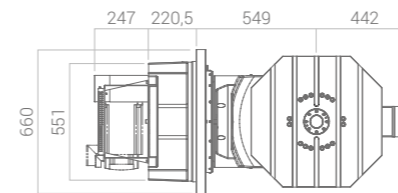
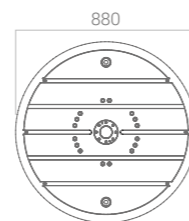
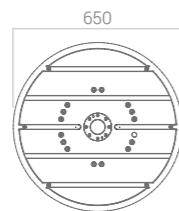
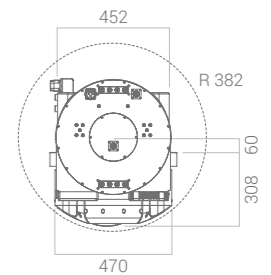
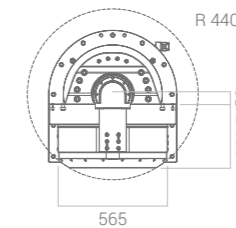
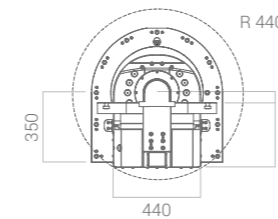
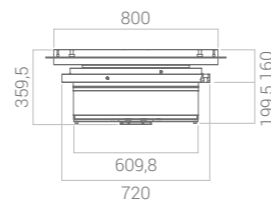
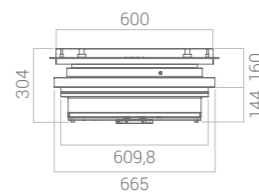
		<b>RHT6MX DIRECT DRIVE</b>	<b>RHT8MX DIRECT DRIVE</b>	<b>RBM6MA - SINGLE SIDED MECHANICAL</b>		<b>RBT6MA - SINGLE SIDED DIRECT DRIVE</b>		<b>RCT4MV - DOUBLE SIDED DIRECT DRIVE</b>	
Dimensione piattello Table plate size	mm	600 (Option 650; 700)*	800 (Option 1000)*	600 (Option 500; 750)*		600 (Option 500; 650; 750)*		500 (Option 420; 600)*	
Carico Max Max load	kg	2000	2500	500		500		600	
Corsa Asse Inclinabile Tilting Axis Range		-	-	±110°		±110°		±120°	
Raffreddamento Cooling		Liquid	Liquid	-		Liquid		Liquid	
Peso Weight	kg	~ 471	~ 752	~ 936		~ 1232		~ 1000	
Asse Axis		Rotary	Rotary	Rotary	Tilting	Rotary	Tilting	Rotary	Tilting
Precisione Sistema di Misura Measuring System Accuracy	arcsec	±5; ±2,5***	±5; ±2,5***	±5***	±5***	±5; ±2,5***	±5; ±2,5***	±5; ±2,5***	±5; ±2,5***
Coppia di bloccaggio (Idraulico) Clamping torque (Hydraulic)	Nm	4500	7000	2500	4500	3200	5000	2000	3500
Velocità Massima Max Speed	rpm	100	100	25**	25**	100	50	200	100
Coppia S1 Torque S1	Nm	620	1300	700**	2490**	620	2200	400	1000

\* Disponibilità di piattelli opzionali per informazioni contattare HSD  
\* Optional plates are available for information please contact HSD

\*\* Le prestazioni dipendono dal servomotore scelto  
\*\* Performance may change according to servomotor chosen

\*\*\* Con Encoder assi standard ±5 arcsec  
Con Encoder assi opzionale ±2,5 arcsec  
\*\*\* With standard axis Encoder ±5 arcsec  
With optional axis Encoder ±2,5 arcsec

Technical data and illustrations are not binding and, for the sake of continual improvement of its products, HSD Mechatronics reserves the right to make modifications without prior notice.







**RCT6MV - DOUBLE SIDED  
DIRECT DRIVE**

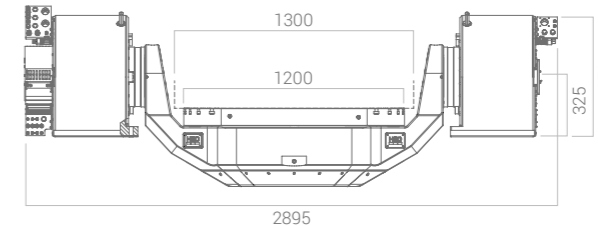
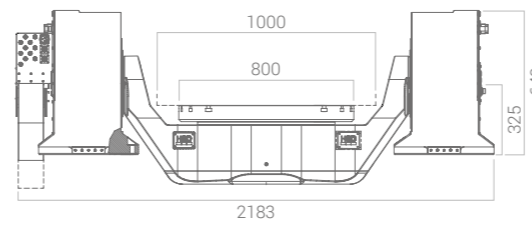
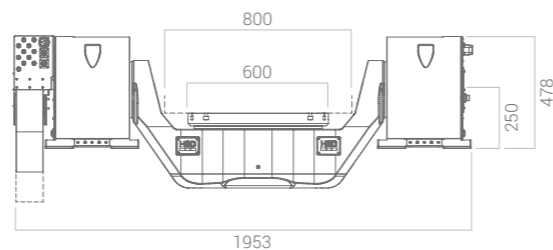
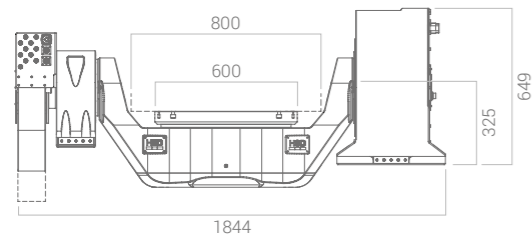
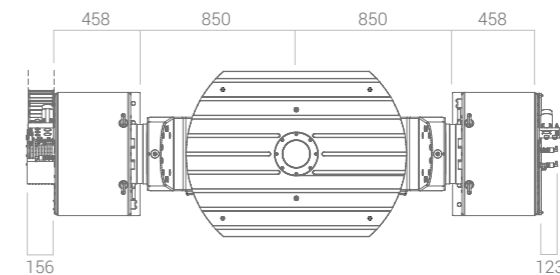
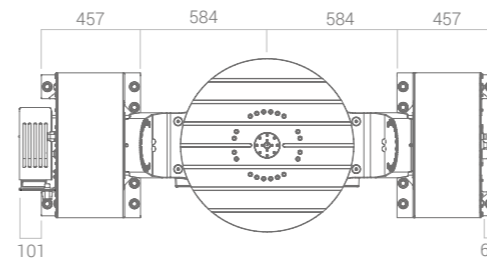
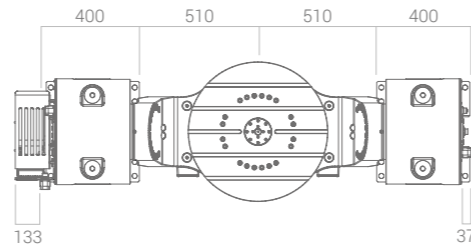
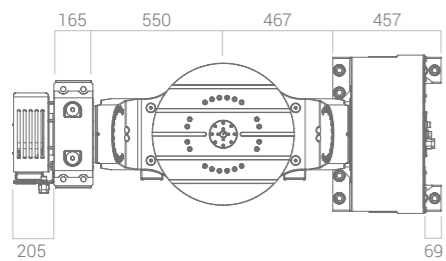
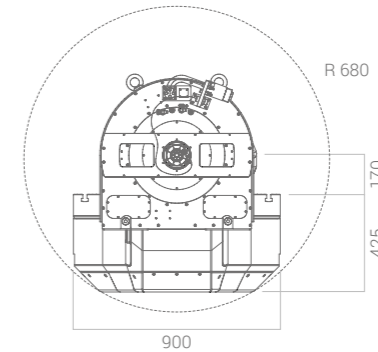
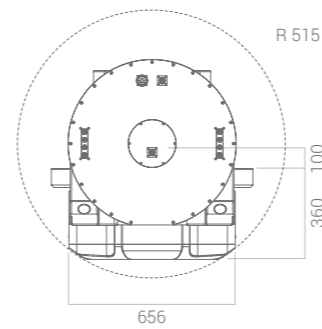
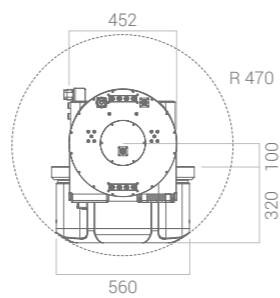
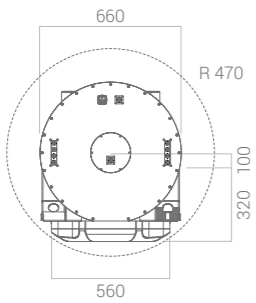
**RCT6MW - DOUBLE SIDED  
DIRECT DRIVE**

**RCT8MW - DOUBLE SIDED  
DIRECT DRIVE**

**RCT12MW - DOUBLE SIDED  
DIRECT DRIVE**

**TAVOLE ROTANTI HSD  
HSD ROTARY TABLES**

600 (Option 700)*	600 (Option 700)*	800	1200	1200	mm	Dimensione piattello <b>Table plate size</b>			
850	850	1200	2500	2500	kg	Carico Max <b>Max load</b>			
±120°	±120°	±120°	±130°	±130°		Corsa Asse Inclinabile <b>Tilting Axis Range</b>			
Liquid	Liquid	Liquid	Liquid	Liquid		Raffreddamento <b>Cooling</b>			
~ 1538	~ 1380	~ 2500	~ 3200	~ 3200	kg	Peso <b>Weight</b>			
Rotary	Tilting	Rotary	Tilting	Rotary	Tilting	Asse <b>Axis</b>			
±5; ±2,5***	±5; ±2,5***	±5; ±2,5***	±5; ±2,5***	±5; ±2,5***	±5; ±2,5***	Precisione Sistema di Misura <b>Measuring System Accuracy</b>			
4500	4000	4500	7000 (2x3500)	4000	8000	6500	11000 (2x5500)	Nm	Coppia di bloccaggio (Idraulico) <b>Clamping torque (Hydraulic)</b>
100	50	100	100	100	100	100	25	rpm	Velocità Massima <b>Max Speed</b>
1000	1850	1000	2000 (2x1000)	1850	3700 (2x1850)	2850	8320 (2x4160)	Nm	Coppia S1 <b>Torque S1</b>



Le misure sono in mm  
**Measurements are in mm**

Il peso dipende dal tipo di piattello scelto  
**Weight depends on the table plate chosen**



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