

CUBLEX Series Machine Specifications



PC2



New!

PC32



CUBLEX-25 PC10



CUBLEX-25 PC40



CUBLEX-42 PC5



CUBLEX-42 PC11



CUBLEX-42 PC24



CUBLEX-63 PC18

	Unit	CUBLEX-25	CUBLEX-35
Travel (X/Y/Z)	mm (in.)	550 / 410 / 450 (21.65 / 16.14 / 17.71)	570 / 410 / 525 (22.44 / 16.14 / 20.66)
Travel (B / C)	deg	-110 ~ +110 / 360	-110 ~ +110 / 360
Working Surface	mm (in.)	ø130 (ø5.11)	ø130 (ø5.11)
Max. Work Size	mm (in.)	ø250 x H250 (ø9.84 x H9.84)	ø350 x H240 (ø13.77 x H9.44)
Loading Capacity	kg (lb)	40 (88)	60 (132)
Spindle Speed	min ⁻¹	15,000 : HSK-A63W (ICTM) Standard 20,000 : HSK-A63W (ICTM) Option	12,000 : HSK-A63W (ICTM) Standard 20,000 : HSK-A63W (ICTM) Option
Rapid Traverse (X/Y/Z)	mm/min ⁻¹ (ipm)	50,000 (1,968.5)	50,000 (1,968.5)
Rapid Traverse (B)	min ⁻¹	30	30
Rapid Traverse (C) : Milling	min ⁻¹	200	200
Rapid Traverse (C) : Turning / Grinding Option	min ⁻¹	3,000	3,000
Number of Tools		40 : HSK-A63W (ICTM) Standard 80 : HSK-A63W (ICTM) Option 120 / 150 / 180 / 210 / 240 : HSK-A63W (ICTM)	120 : HSK-A63W (ICTM) Standard 160 / 200 / 240 / 280 / 320 : HSK-A63W (ICTM) Option 360 / 400 / 440 / 480 / 520 : HSK-A63W (ICTM)
Number of Pallets		2 Standard 10 : Floor Pallet System Option 40 : Tower Pallet System	32 Standard



PC2



PC2

	Unit	CUBLEX-42	CUBLEX-63
Travel (X/Y/Z)	mm (in.)	520 / 730 / 510 (20.47 / 28.74 / 20.07)	760 / 845 / 660 (29.92 / 33.26 / 25.98)
Travel (A / C)	deg	-110 ~ +10 / 360	-120 ~ +30 / 360
Working Surface	mm (in.)	ø300 (ø11.81)	ø500 (ø19.68)
Max. Work Size	mm (in.)	ø420 x H350 (ø16.53 x H13.77)	ø630 x H450 (ø24.80 x H17.71)
Loading Capacity	kg (lb)	200 (440)	350 (770)
Spindle Speed	min ⁻¹	12,000 : HSK-A63W (ICTM) Standard 20,000 : HSK-A63W (ICTM) Option	12,000 : HSK-A63W (ICTM) Standard 20,000 : HSK-A63W (ICTM) Option 10,000 : HSK-A100W (ICTM) Option
Rapid Traverse (X/Y/Z)	mm/min ⁻¹ (ipm)	50,000 (1,968.5)	60,000 (2,362.2)
Rapid Traverse (A)	min ⁻¹	30	25
Rapid Traverse (C) : Milling	min ⁻¹	200	200
Rapid Traverse (C) : Turning / Grinding Option	min ⁻¹	1,800	1,300
Number of Tools		40 : HSK-A63W (ICTM) Standard 80 : HSK-A63W (ICTM) Option 120 / 150 / 180 / 210 / 240 : HSK-A63W (ICTM) 120 / 160 / 200 / 240 / 280 / 320 : HSK-A63W (ICTM) 360 / 400 / 440 / 480 / 520 : HSK-A63W (ICTM)	51 Standard 120 / 150 / 180 / 210 / 240 : HSK-A63W (ICTM) 120 / 160 / 200 / 240 / 280 / 320 : HSK-A63W (ICTM) 360 / 400 / 440 / 480 / 520 : HSK-A63W (ICTM) 60 : HSK-A100W (ICTM) 120 : HSK-A100W (ICTM) 150 / 180 / 210 / 240 : HSK-A100W (ICTM)
Number of Pallets		2 Standard 5 : Floor Pallet System Option 11 : Floor Pallet System Option 17 ~ : Linear Pallet System 24 : Tower Pallet System	2 Standard 6 : Floor Pallet System Option 18 : Tower Pallet System Option 17 ~ : Linear Pallet System



Matsuura

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CUBLEX Series

CUBLEX-25

PC2



CUBLEX-35

PC32



New!

CUBLEX-42

PC2



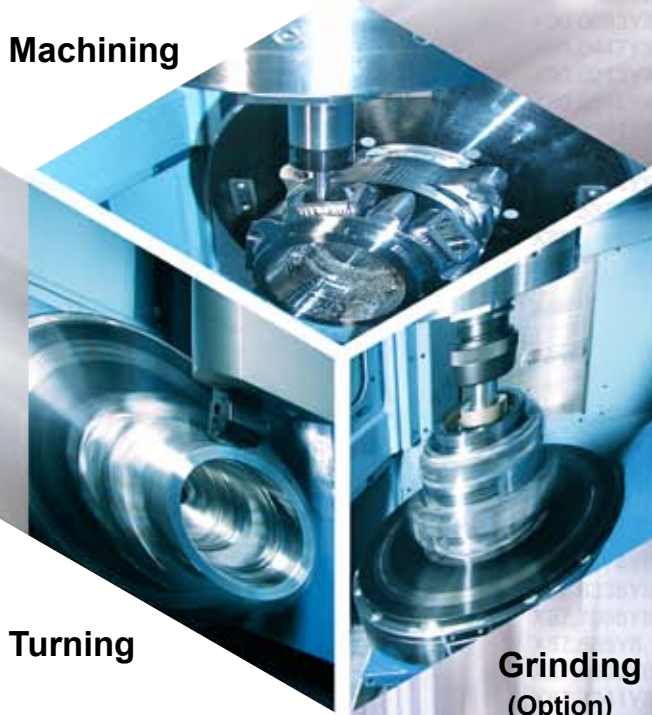
CUBLEX-63

PC2



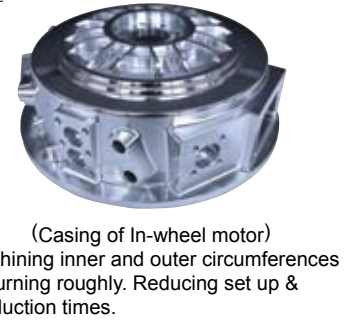
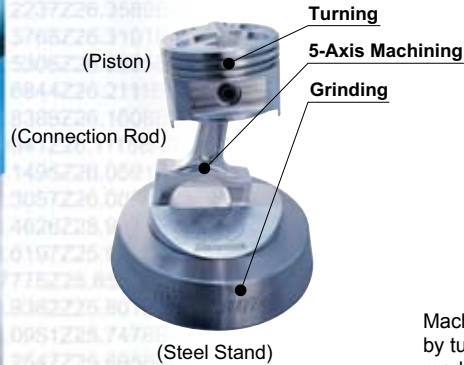
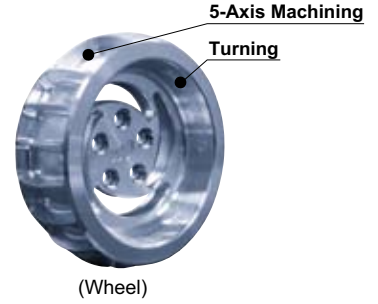
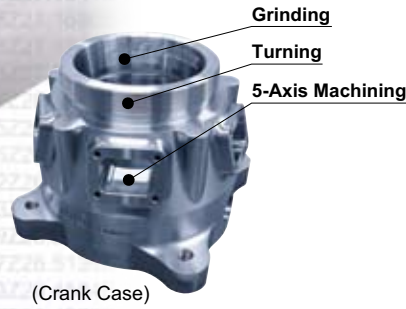
Process Integration : Machining + T

Machining


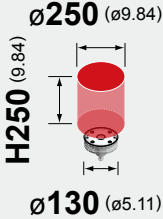


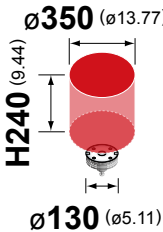


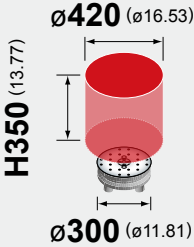


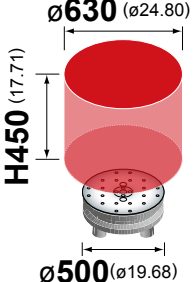
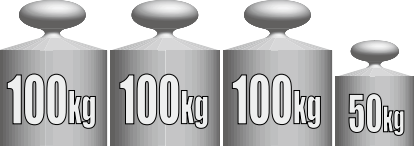


Turning

Grinding
(Option)



CUBLEX Machines by Component Size

	Max. Work Size : mm (in.)	Loading Capacity : kg (lb.)
CUBLEX-25  PC2		40 (88) 
CUBLEX-35 <i>New!</i>  PC32		60 (132) 
CUBLEX-42  PC2		200 (440) 
CUBLEX-63  PC2		350 (770) 

Turning + Grinding

Unique Multi-Tasking Functionality



CUBLEX-25



CUBLEX-35



CUBLEX-42



CUBLEX-63

- High Speed C-Axis Rotation for Turning Operations
3,000 min⁻¹ (**CUBLEX-25**)
3,000 min⁻¹ (**CUBLEX-35**)

CUBLEX: Fastest Rotational Turning Speeds in their Class

- 1,800 min⁻¹ (**CUBLEX-42**)
- 1,300 min⁻¹ (**CUBLEX-63**)

- 5-Axis Machining & Turning (Vertical / Horizontal)
- Optional Grinding Functionality
- Matsuura's unique Drum Break locking system is integrated into the machining spindle to clamp the tool during turning operations. This strong & robust system assures high accuracy turning.
- **CUBLEX Series** machines utilize the ICTM-HSK machining spindle taper standard for turning mills.



Chain Magazine



Matrix Magazine

Imbalance Check Function Patent Pending

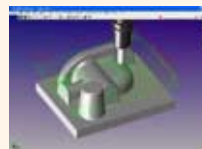
This function allows the balance of the workpiece to be set before turning. Imbalance in the workpiece during rotation & turning is accurately monitored to prevent problems with unwieldy or uneven components.



Easy **CUBLEX** Programming



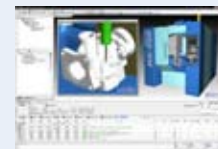
- **GibbsCAM** is a world leader for CAD/CAM software technology. **GibbsCAM** & Matsuura work very closely to bring you instant CAD/CAM functionality, & a factory approved post processor & machine simulation model specific for the Matsuura machine you have purchased, allowing you to rapidly maximize your investment with us.






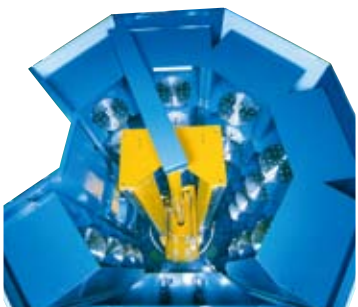
Advanced post-processing...



CAMplete TRUEPATH provides everything you need to create the best toolpath possible from your CAM data. Analyse, edit, optimize and verify 5-axis toolpaths in a seamless 3D graphical environment.



Vast Array of Options in any Configuration-Tailored to your Process

ATC Tool Magazine	Multi Pallet System		
	Floor Pallet System	Tower Pallet System	
 <p>Max.Tool Storage on min. floor space (320 tools ATC)</p>	 <p>Cost Effective pallet changer (CUBLEX-25 (PC10))</p>	 <p>Max.Pallet Storage on min. floor space (CUBLEX-35 (PC32))</p>	 <p>Max.Pallet Storage on min. floor space (CUBLEX-42 (PC24))</p>