

CTU Series(Hook type Auto pallet changer)

CTU-400x600 / 500x700

(Table size can be customized)(180° to and fro)

For C type vertical machining center or drilling & tapping center



◀ C TU-500x700

Pallet dimensions (Can be customized)

TU: Hook type APC (U type)

HC: Flat type APC

TH: Tray type APC (H type)

C: Changer mechanism

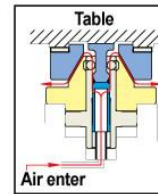
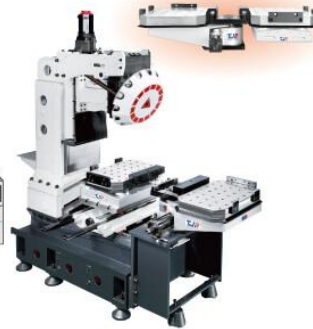
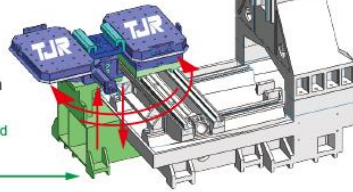
Item/Model		Unit	CTU-400x600	CTU-500x700
Lift-up mechanism		-	Hook type (U type)	Hook type (U type)
Table size		mm	□ 400 x 600	□ 500 x 700
Rotation method		deg.	Hydraulic hirth coupling	Hydraulic hirth coupling
Rotation angle		deg.	180° to and fro	180° to and fro
Clamping System		kg/cm.	Hydraulic 35	
Positioning method		kgf	Cone positioning	Cone positioning
clamping force of positioning cones(35kg/cm.)		kgf	960x4=3840	960x4=3840
Operating System(Up & Down & Rotate)		kg/cm.	Hydraulic 45	
Lifting thrust force		kg	2860	2860
Up and down travel of the pallet		mm	60	60
Allowable Workpiece Load	Horizontal	kg	250x2=500	250x2=500
Inspection accuracy			Inspection accuracy	
Repeatability accuracy on positioning of the same pallet		mm	0.01	
Max. positioning tolerance for 2 pallets		mm	0.02	
Parallelism of pallet top and base bottom		mm	0.02	
Net weight of saddle and single swing table		kg	255	
Total Weight		kg	530	603



Pallet changing time is around 8 seconds, which excludes PLC delayed time of machine.

The location of CTU can vary, depending on the machine design & dimensions.

Green color section should be made by the buyer (machine tool builder)



▲ The function of cones :
① Precise positioning
② Air blast for chip removal
③ Airtight testing



▲ Cones:
Powerful hydraulic clamping