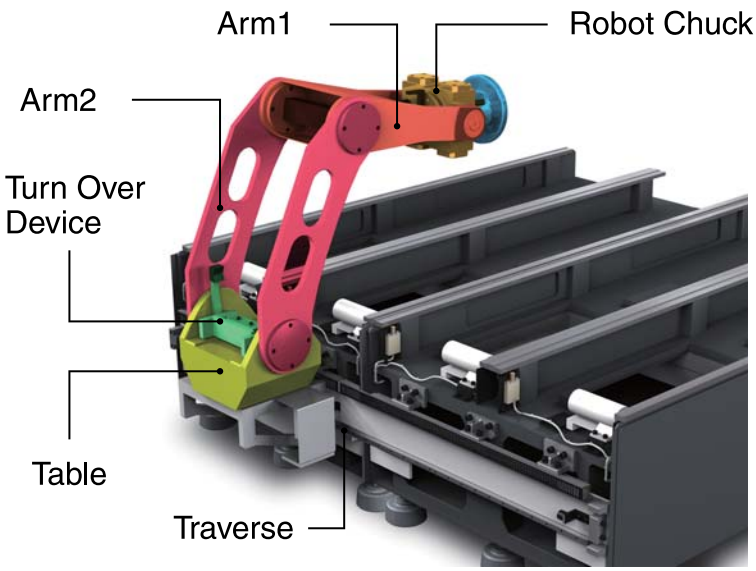
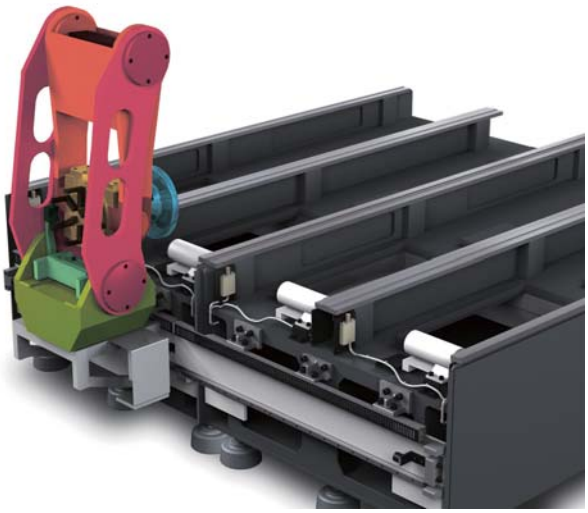
Transfer Device DLL3+ Multiple Axis Robot

Multiple Axis Robot DLL3+

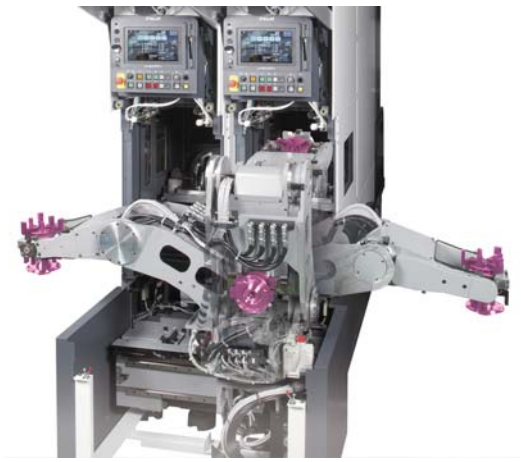


Robot Construction

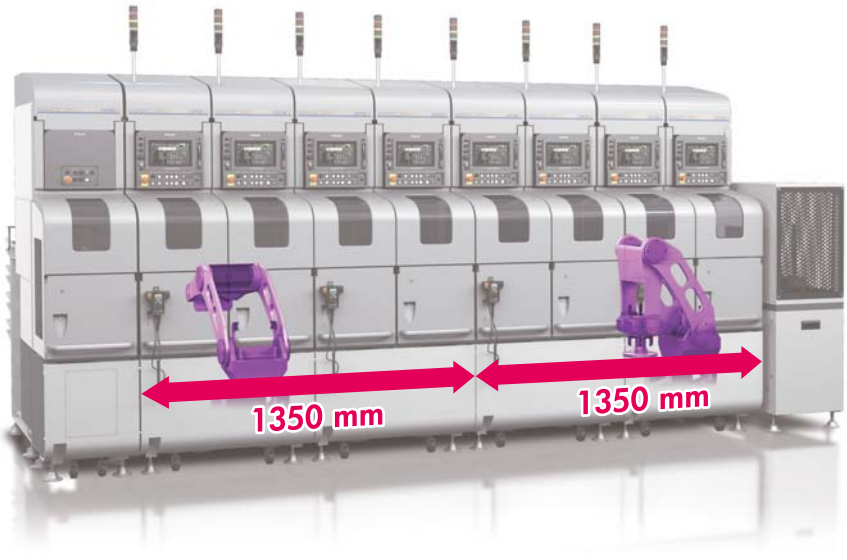


Arm at Home Position

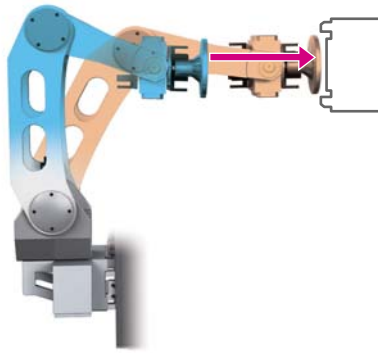
Part transfer between modules can be conducted while saving space.
Load / Unload robot chuck.
Work piece load /unload 9.6 seconds.
Work piece flip station is built into the robot's main body, saving valuable space.

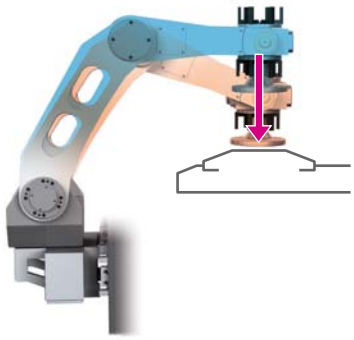


One robot supports two bases.



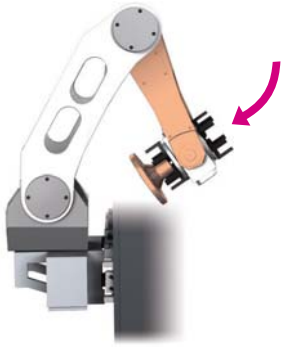
Linear Motion



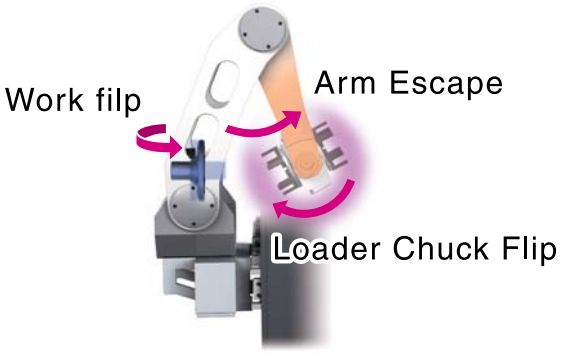


Simultaneous multi-axes robot movement.

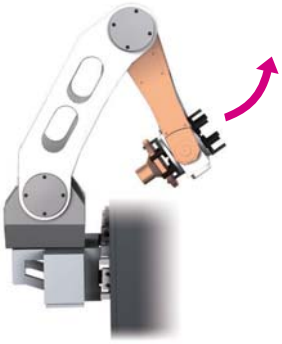
Turn Over Device



Pass the workpiece
into turn-over unit



180 degree rotation
for turn-over unit



Remove the workpiece
from turn-over unit

Simultaneous multi-axes robot movement.

Robot Specifications

Item		DLL3+		
Carrying Capacity	mm [inch]	ϕ200[7.87]×100[3.94]	ϕ300[11.8]×100[3.94]	ϕ300[11.8]×100[3.94]
Carrying Capacity	kg [lb.]	5 + 5 [11 + 11]	5 + 5 [11 + 11]	10 + 10 [22 + 22]
Max.Robot Chuck Rotation Speed	° / sec	600		
Max.Arm1 Rotation Speed	° / sec	270		
Max.Arm2 Rotation Speed	° / sec	180		
Max.Table Rotation Speed	° / sec	180		
Max.Traverse Speed	m / min	70		
Max.Forward/Back Speed	m / min	70	70	50
Max.Up/Down Speed	m / min	70	70	50
Turn-overunit rotation(180°)	sec	0.8	0.8	1.2
Robot chuck type		H-TYPE	H-TYPE	B-TYPE
Robot chuck stroke	mm	ϕ25		
Min.Tact Time	sec	34.7	37.8	43.1
Min.Loading Time	sec	9.6	10.4	12.2

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