## The Goods on Goods-to-Person Technologies

Side-by-side comparison of automated goods-to-person picking technologies

Goods-to- person technology	=									
	Item velocities*					Storage density**	Floor space savings	Labor savings	Potential system throughput**	Cost savings
	very slow	slow	med	fast	very fast		l=worst to 5=best			
Vertical Carousel Modules		×	×			4	5	4	3	5
Horizontal Carousel Modules		×	×			3	4	4	4	
Vertical Lift Modules		×	×			4	5	4	3	
Crane Based Mini-Load ASRS		×				4	4	5	2	
Vertical Buffer Modules		×	×			4	4	4	4	
Robotic Shuttles		×	×	×		4	4	5	5	$\bigcirc \bigcirc $
Robotic Cube Storage		×	×	×		5	5	5	4	00000
Floor Robots		×	×	×		3	2	4	4	

\* It's not recommended to store very slow or very fast movers in automation.

\*\* Dependent upon system design.

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