

# Pallet handling systems comparison chart.



Conceptual layout	Storage capacity (pallet positions)	Pallets high	Floor area (m x m)	Total area (sqm)	Average floor area by pallet position (sqm)	Storage product area	Area	Height	Cube	% of floor space covered by storage	Ceiling height (m)	Building volume (cbm)	Average building volume/pallet positions (cbm)	% of building cube that is product	Average locations used in operations	% of pallets immediately accessible	Stock rotation	Price relationship guide (storage only)
Selective racking	2000	5	62.9 x 27.0	1698	0.85	53.9 x 11.9	641.4	7.45	4778.5	38%	8	13586	6.79	35%	95%	100%	Good	1
Double deep racking	2040	5	52.2 x 23.5	1227	0.60	43.1 x 14.4	619.5	7.75	4801.1	51%	9	11040	5.41	43%	88%	50%	Fair	1
Drive-in racking	2080	5	50.3 x 23.3	1169	0.56	44.9 x 17.5	785.5	8.00	6283.9	67%	8.2	9590	4.61	66%	75%	6%	Fair	2
Narrow aisle racking	2176	8	55.8 x 17.0	949	0.44	45.8 x 9.5	435.4	12.35	5377.0	46%	13	12338	5.67	44%	95%	100%	Good	1
Push back racking	2120	5	48.7 x 23.0	1119	0.53	X	484.0	8.80	4259.2	43%	9	10071	4.75	42%	80%	28%	Fair	3
Pallet flow racking	2080	5	44.1 x 29.0	1279	0.61	35.1 x 20.0	702.0	8.75	6142.5	55%	9.5	12150	5.84	51%	90%	13%	Fair	4
Mobile racking	2000	5	67.0 x 16.1	1079	0.54	54.0 x 12.5	675.0	7.80	5265.0	63%	8	8630	4.31	61%	98%	100%	Good	5
ASRS open face single deep	2048	16	54.0 x 8.9	481	0.23	46.3 x 4.8	222.4	27.20	6048.8	46%	28	13457	6.57	45%	98%	100%	Good	3
ASRS open face double deep	2048	16	54.0 x 7.0	378	0.18	46.3 x 4.8	222.4	27.20	6048.8	59%	28	10584	5.17	57%	95%	50%	Fair	3
ASRS closed faced double deep	2048	16	54.0 x 6.9	373	0.18	43.1 x 4.8	205.3	29.20	5994.7	55%	30	11178	5.46	54%	95%	50%	Fair	3
ASRS curve crane	2080	16	57.5 x 8.9	512	0.25	46.3 x 4.8	222.4	27.20	6048.8	43%	28	14329	6.89	42%	98%	100%	Good	3
Manual satellite system	2000	5	37.0 x 38.0	1406	0.70	28.3 x 24.4	690.0	9.00	6209.6	49%	9.5	13357	6.68	46%	80%	10%	Poor	6
Block stacking	2052	3	47.0 x 35.6	1673	0.82	X	910.0	4.05	3685.5	54%	4.5	7529	3.67	49%	70%	9%	Poor	0
Stackable containers	2016	4	62.0 x 32.5	2015	1.00	X	1129.0	6.80	7676.9	56%	7	14105	7.00	54%	75%	6%	Poor	1.5

Note: The data above is set as a guide only and may vary greatly from actual application.