

OMEGA-F1/EPS-30 - Series



Fixed stroke, Crank motion, Ultra High Speed

Commencing with the world highest speed press OMEGA-F1 which can reach speeds up to 4000 SPM!

Based on our long experience with ultra high speed stamping, Yamada has developed a new range of ultra high speed press 300 kN models named EPS-30 series which can reach speeds up to 3000 spm.

All those models are equipped with a special slide material alloy of ceramic and aluminium. This special alloy which is at the same time very hard and very light allows a significant reduction of the weight of the moving elements in order to maintain an optimal stability at around the BDC area.

The special floating bearings installed on the crankshaft permits to eliminate the metal contact and therefore reduce the friction resistance. Consequently the noise and vibrations are also minimized and the distortion caused by the excentric load is drastically limited.

Model		OMEGA-F1	EPS-30	EPS-30HS	EPS-30SP	EPS-30L
Press force	kN	100	300	300	300	300
Fixed stroke	mm	6 - 15	10 - 30	10 - 20	10 - 30	10 - 30
Speed max	spm	4000	2000	3000	2500	2000
Die height max	mm	237	255	255	255	255
D.H. adj. range	mm	10	30	30	30	30
Bolster area	mm	400 x 400	550 x 450	550 x 450	640 x 450	800 x 590
Slide area	mm	400 x 240	550 x 320	550 x 320	640 x 320	800 x 360
Strip inlet width	mm	150	220	220	220	260
Main motor	kW	15	22	30	30	22
Weight	ton	3.5	7.5	7.5	8	10
Height	mm	2510	2540	2540	2540	2720