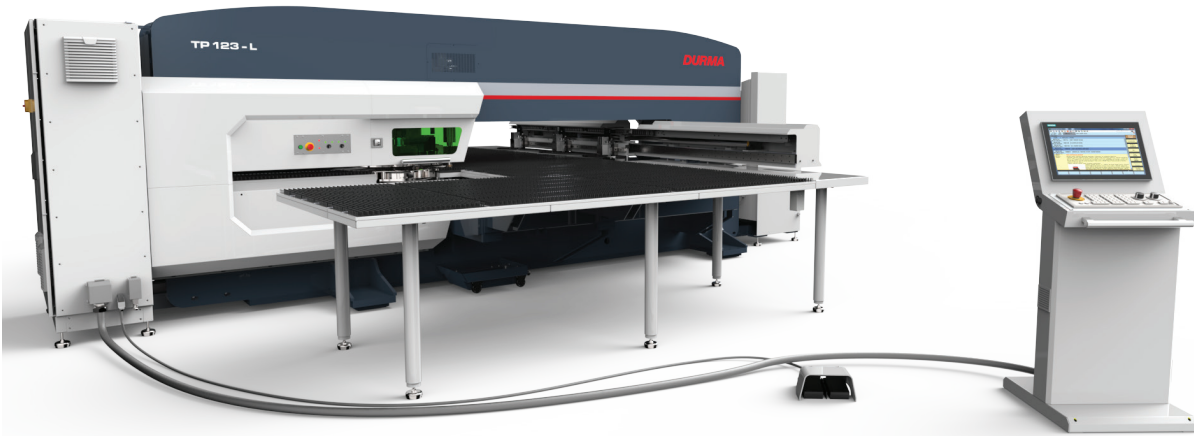


Punch Machines are Faster Now!

Punch Machines are Faster Now!

DURMA Punch Machines* Improved machine tool processing time with improvements made in tool change time..



- Punch machines were improved during tool change time and more sheet processing was achieved in a shorter time.

Start Tool	End Tool	New Tool Change Time (sec)	Old Tool Change Time (sec)	Improvement Time (sn)	Improvement (%)	Explanation
T1	T2	2.038	4.332	-2.294	52.95	From fixed to fixed station which is close to each others
T1	T18	5.201	8.547	-3.346	39.15	From fixed to fixed station which is farrest to each others
T18	T1	4.653	8.033	-3.38	42.08	From fixed to fixed station which is farrest to each others with reverse rotation
T1	T203	6.582	10.803	-4.221	39.07	From fixed to farrest Multitool's (6 station) station
T203	T1	5.765	11.762	-5.997	50.99	From farrest Multitool's (6 station) station to fixed station
T201	T204	4.116	10.653	-6.537	61.36	Between Multitool's (6 station) 2 stations
T101	T201	6.919	14.105	-7.186	50.95	From first Index station to another Index station
T103	T203	8.008	15.091	-7.083	46.94	From Index to Index stations which is farrest to each others
T203	T103	7.923	15.048	-7.125	47.35	From Index to Index stations which is farrest to each others
T203	T203	3.627	11.105	-7.478	67.34	Between Multitool's stations

*Improvement includes **DURMA TP - TPL Series, TP63, TP93, TP123 and TP Servo Machines**