



THE **BULL** SERIES



NO COMPROMISE.

RAW POWER WITH UNMATCHED PRECISION

Introducing The Bull Series.

Built in Finland, home of Europe's highest quality machine exports. These machines are all electric, servo-driven, built to run for decades in the most demanding environments.

- **All Servo Electric**
- **Accurate**
- **Ergonomic**
- **Ecologically Friendly**
- **Low Operating Costs**

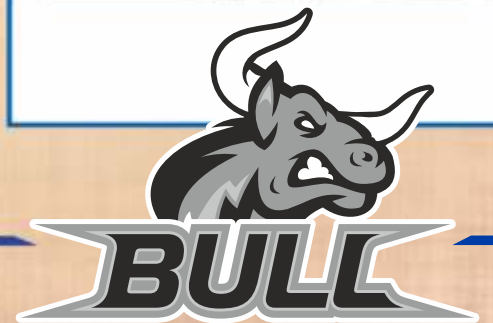
Thanks to the simple drive system, the average power consumption of the Bull Series is only 1-3 kW. The absence of a hydraulic system eliminates expensive hydraulic fluid changes, spare parts, valves and maintenance expenses, common to hydraulic press brakes.



The Bull Series includes Coastone's standard, user-friendly Cone TC programming. Even inexperienced operators will be making parts on their first day.



**MADE IN
FINLAND**



The closed O-frame construction is designed for high tonnage press brakes. Unlike C-frames, O-frames have less vertical and horizontal deflecting. That means less weight, better accuracy and a ***small footprint with big power.***

Compared to outdated hydraulic systems, Coastone's environmentally-friendly servo technology requires minimal maintenance and combined with our ball screw system delivers superior power and accuracy.



***Small footprint, big power.
You only need the length you bend!***

***THE BULL SERIES
ACCURACY MATTERS!***



Bull technical data

Technical Data	DIM.	Bull 12	Bull 15	Bull 30
Press tonnage	kN(US tons)	1000(110)	1500(160)	2500(275)
Motor power	kW	2x5	3x5	5x5
Max. bending length	mm	1320	1620	3060
Distance between side frames	mm	1390	1690	3200
Frame width	mm	2200	2500	4010
Frame height	mm	2650	2950	3500
Frame depth	mm	1750	1750	2000
Total height with control arm	mm	2810	3110	3620
Throat depth	mm	O-frame	O-frame	O-frame
Table height	mm	900	900	1150
Weight	kg	4500	5500	15000
daylight	mm	600	600	600
Y-axis stroke	mm	250	250	250
Y-axis repeatin accuracy	mm	±0.002	±0.002	±0.002
Y-axis max working speed	mm/s	10 (20*)	10 (20*)	10 (20*)
Y-axis approach speed	mm/s	40	40	40
Y-axis return speed	mm/s	40	40	40
X-axis speed	mm/s	500	500	500
X-axis accuracy	mm	±0.025	±0.025	±0.025
X-axis stroke	mm	600	600	600
X-axis max. position dimension	mm	750	750	800
Delta X-axis speed	mm/s	100	100	100
Delta X-axis accuracy	mm	±0.025	±0.025	±0.025
Delta X-axis stroke	mm	±50	+/-50	+/-50
R-axis speed	mm/s	100	100	100
R-axis accuracy	mm	±0.05	±0.05	±0.05
R-axis stroke	mm	200	200	200
Z-axis speed	mm/s	1000	1000	2500
Z-axis accuracy	mm	±0.5	±0.5	±0.5
Z-axis stroke	mm	120 to 1100	120 to 1400	120 to 2900
Control	Cone	TC15 2D	TC15 2D	TC15 2D

*can be up tp 20mm/s, depending on regulations



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