

## NEW CNC CYLINDER BORING MACHINE AC1000 A



### AC 1000 A

Thanks to the most advanced technologies, Berco has recently developed new products for the internal combustion engines sector, in order to improve and facilitate the execution of different working steps necessary to reach a high quality product.

The introduction on the market of the new CNC Cylinder boring machine Berco AC1000 A represents the solution to the most complex problems involved into the reconditioning of engine blocks.

The machine, with its three-axis numerical control system driven by high-precision ball screws and with special drives powered by digital brushless motors, allows extremely accurate feed speed setting as well as axis positioning with a considerable reduction of working cycle time.

The new AC 1000A includes an automatic centering system performed by an electronic probe "Renishaw" that checks the cylinders diameter as well.

The control keyboard uses the "Touch Screen" system and grants an extremely simple programming, suitable to be used from all operators.



The electronic probe "Renishaw"



The control keyboard with the "Touch Screen" system

## Technical Data

### Working capacity

Boring capacity	mm 31 (1. <sup>7</sup> / <sub>32</sub> ") - 180 (7. <sup>5</sup> / <sub>64</sub> ")
Max. boring depth	mm 350 (13. <sup>25</sup> / <sub>32</sub> ")
Max. milling width	mm 300 (11. <sup>15</sup> / <sub>16</sub> ")
Spindle rotation speed (variable)	rpm 100 - 950
Spindle head feed speed	mm / rpm 0 - 0,45 (0 - 0.018 inch / rpm )
Table work feed speed	mm / min 0 - 1000 (0 - 40 inch / min)
Max. table longitudinal movement (axis x)	mm 1000 (40")
Max. table traverse movement (axis y)	mm 200 (7. <sup>25</sup> / <sub>32</sub> ")
Max. head travel (axis z)	mm 530 (20. <sup>7</sup> / <sub>8</sub> ")

### Motor rating

Spindle	kw 2,2 (3 Hp)
Head feed	kw 0,8 (1,1 Hp)
Table feed x	kw 0,8 (1,1 Hp)
Table feed y	kw 0,8 (1,1 Hp)