BUNGARD CCD SERIES CNC MACHINES

BUNGARD / BEL
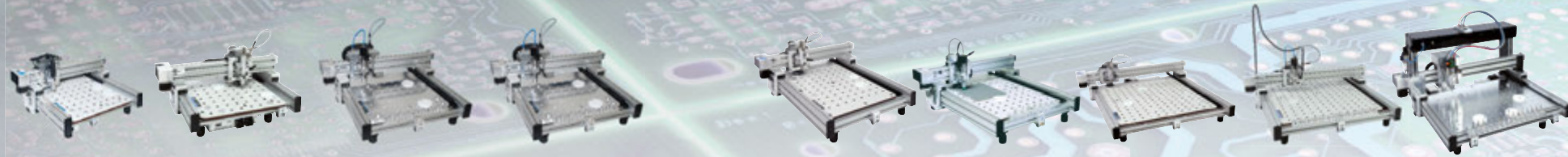
	CCD/2-ECO	CCD/2/MTC	CCD/2/ATC	CCD/2/ATC PRECISION	CCD/MTC	CCD/ATC	CCD/MTC/XL	CCD/ATC/XL	CCD PREMIUM
Weight kg	30 kg	30 kg	30 kg	30 kg	35 kg	35 kg	49 kg	49 kg	80 kg
Dimensions mm	700x550x300	700x550x300	700x550x300	700x550x300	700x800x300	700x800x300	950x950x300	950x950x300	700x850x600
Work area mm	270x325x38	270x325x38	270x325x38	270x325x38	325x495x38	325x495x38	500x600x38	500x600x38	400x500x60
Tool change semiautomatic/manual/ 99 tools	yes	yes	yes	yes	yes	yes	yes	yes	yes
fully automatic	not upgradeable	not upgradeable	yes, 16 tools	yes, 16 tools	upgradeable	yes, 16 tools	upgradeable	yes, 25 tools	yes, 30 tools
with length control	not upgradeable	not upgradeable	yes	yes	upgradeable	yes	upgradeable	yes	yes
Milling and drilling single-and double-sided PCBs	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆
Milling/drilling RF- & microwave substrates	☆☆	☆☆	☆☆	☆☆	☆☆	☆☆	☆☆	☆☆	☆☆☆
Milling/drilling multilayers with up to 16 layers *	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆
Contour routing of PCBs	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆
Milling flexible, rigid-flex PCBs **	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆
Engraving front panels/labels	☆	☆	☆☆	☆☆	☆☆☆	☆☆	☆☆☆	☆☆	☆☆☆
Wave solder pallets and Housing production	☆	☆	☆☆	☆☆	☆☆☆	☆☆	☆☆☆	☆☆	☆☆☆
Milling SMT soldering paste stencils and solder frames	☆	☆	☆	☆	☆☆☆	☆☆	☆☆☆	☆☆	☆☆
UV-laser-exposure	☆☆	☆☆	☆☆	☆☆	☆☆	☆☆	☆☆	☆☆	☆☆☆
Panel cutting, Reworking PCBs	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆
Test adapter drilling	☆	☆	☆	☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆	☆☆☆
Cooling	☆	☆	☆☆	☆☆	☆☆☆	☆☆	☆☆☆	☆☆	☆☆☆

*) we generally recommend to etch at least the inner layers of a mulilayer pcb
**) for flexible materials vacuum fixation is a nice option

☆ well-suited   ☆☆ very suitable   ☆☆☆ ideal