

CORiTEC machine portfolio

The new generation of machines



Technical data											
number of axes	4	5	5	5 + 1	5	5 + 1	5	5 + 1	5	5 + 2	5 + (6-axis-robot)
number of tool position	6	6	12	10	20		20		32 (HSK 25)		20 (per machine)
Pmax- maximum spindle speed	0.6 kW 100.000 rpm	0.6 kW 100.000 rpm	0.4 kW 60.000 rpm	0.6 kW 100.000 rpm	1 kW 60.000 rpm		PRO: 1 kW 60.000 rpm PRO*: 2.6 kW 60.000 rpm		3.2 kW 50.000 rpm		1 kW 60.000 rpm
axle drive	microstep drives	microstep drives	microstep drives	microstep drives	AC-servo drives with encoder		AC-servo drives with absolute encoder		Linear-/ torque drive, Absolute length measuring systems		AC-servo drives with absolute encoder
blank change / number of blank holder	manual 1-3-times block material	manual 1-fold blank holder	manual 1-fold blank holder	automatic up to 6 blank holder	manual 1-fold blank holder	automatic up to 12 blank holders	manual 1-fold blank holder	automatic up to 12 blank holders	manual 1-fold blank holder	automatic up to 16 blank holders	automatic up to 21 blank holder per machine
zero point clamping system	-	-	-	✓	optional	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
dry processing	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
wet processing	✓✓	-	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
blank processing 98/98,5mm		✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
block processing (CAD/CAM blocks)	✓✓	✓ (dry)	✓✓	✓ (dry)	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
base structure	aluminium cast	aluminium cast	granite / aluminium / steel	aluminium cast	aluminium / steel		polymer concrete / steel		granite / steel		polymer concrete / steel
Materials											
zirconium oxide / aluminium oxide	✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
PMMA / resins / PEEK / composite / wax	✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
glass ceramics / hybrid ceramics	✓✓	-	✓✓	-	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
sintering metal	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
chrom cobalt	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*
titanium	✓*	-	✓*	-	✓*	✓*	✓*	✓*	✓*	✓*	✓*
Applications											
coping / crown / inlay / onlay	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
bridges up to 3 units	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
bridges up to 14 units	-	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
telescopic crowns	-	✓ (PEEK)	✓ (PEEK)	✓ (PEEK)	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
therapeutic splints (bite splints)	-	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
tooth models	-	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
removable partials	-	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
abutments on titanium adhesive basis	✓	✓	✓	✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
prefabricated abutments of Ti / CoCr	✓	-	✓	-	✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
one-piece abutments (Zr, resins)	✓	✓	✓	✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
one-piece abutments (CoCr, titanium)	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
bar structures / one-piece abutments bridges on implants	-	-	-	-	✓	✓	✓	✓	✓	✓	✓