

The following are **suggested parameters** for cutting and engraving on
 BES CUTTER CO2 Systems on the most common materials

CUTTING SUGGESTED PARAMETERS				
MATERIAL	THICKNESS (mm)	SPEED (mm/s)	MAX POWER	POWER IN CORNERS
MDF	2,5	45,0	70	60
MDF	3,8	30,0	70	60
MDF	10,0	8,0	70	60
Acrylic	2,8	40,0	70	60
Acrylic	5,0	18,0	70	60
Acrylic	10,0	8,0	70	60
Acrylic	20,0	3,0	70	60
Foam	17,0	15,0	70	60
Plywood	2,0	100,0	70	40
Plywood	4,5	40,0	70	60
Plywood	7,5	10,0	70	60
Plywood	10,0	5,0	70	60
Cardboard	6,0	15,0	70	50
Non-Dust Cloth	0,4	100,0	70	60
Leather	1,5	40,0	70	60
Rubber	4,5	5,0	70	60
Double Color Board	1,5	50,0	70	60
Bamboo	7,0	12,0	70	60
Paper	0,1	500,0	12	18
Kraft Paper	0,5	300,0	40	40
Cherry Wood	15,0	3,0	60	60
Plastics	-	-	-	-
Glass	-	-	-	-
Granite	-	-	-	-
Marble	-	-	-	-
Ceramic Cup	-	-	-	-
Rostone	-	-	-	-
Anodized Auminum	-	-	-	-
Grip Tape	-	-	-	-

ENGRAVING SUGGESTED PARAMETERS					
MATERIAL	THICKNESS	SPEED (mm/s)	MAX POWER	MIN POWER	SCAN GAP
MDF	-	500	20	-	0,08
Acrylic	-	500	20	-	0,08
Bamboo	-	500	20	-	0,08
Plywood	-	500	20	-	0,08
Cardboard	-	500	20	-	0,08
Paper	-	500	12	-	0,08
Painted Aluminium	-	500	30	-	0,08
Cherry Wood	-	500	25	-	0,08
Anodized Aluminium	-	500	25	-	0,08
Plastic	-	500	20	-	0,08
Glass	-	500	25	-	0,08
Kraft Paper	-	500	20	-	0,08
Leather	-	500	40	-	0,08
Cloth	-	500	15	-	0,08
Rubber	-	500	40	15,0	0,06
Metal	-	500	-	-	0,08
Double Color Boards	-	500	18	-	0,08
Granite	-	500	40	-	0,08
Marble	-	500	25	-	0,08
Ceramic Cup	-	500	40	-	0,08
Rostone	-	500	25	-	0,08
Grip Tape	-	500	20	-	0,08
Foam	-	-	-	-	-

These parameters can vary depending on multiple factors, such as calibration and proper use of the lens.