TECHNICAL FEATURES		SM 500.3x1.5	SM 1000.3x1.5	SM 2000.3x1.5	SM 3000.3x1.5	SM 4000.3x1.5	SM 6000.3x1.5
RESONATOR	Watt	YLR 500	YLR 1000	YLS 2000	YLS 3000	YLS 4000	YLS 600
POWER RANGE	%	10-105	10-105	10-105	10-105	10-105	10-105
POWER STABILITY	%	0,5	1 _ 3	1 _ 2	1_2	1_2	1_2
PULSE FREQUENCY RANGE	kHz	5	5	5	5	5	5
LASER WAVE LENGTH	nm	1070 ± 5	1070 ± 5	1075 ± 5	1075 ± 5	1075 ± 5	1075 ± 5
OUTPUT FIBER CORE DIAMETER	µµ	50	50	100	100	100	100
EXCITATION	0	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
COOLING WATER FLOW RATE	*Vmin*	6	8	10	20	20	40
CUTTING CAPACITY (MAX.)							
MILD STEEL	mm	5	8	16	18	20	25
STAINLESS STEEL	mm	2	4	8	10	12	16
ALUMINIUM	mm	2	3	8	8	10	12
COPPER	mm	1	2	6	6	6	8
BRASS	mm	1	2	6	6	6	8
MAX. WORKSHEET DIM.	mm	3000 X 1500	3000 X 1500	3000 X 1500	3000 X 1500	3000 X 1500	3000 X 1500
MAX. BURDEN CAPACİTY	kg	1500	1500	1500	1500	1500	1500
MACHINE AXES	-	4-Axes [X,Y,Z,U]	4-Axes [X,Y,Z,U]	4-Axes [X,Y,Z,U]	4-Axes [X,Y,Z,U]	4-Axes [X,Y,Z,U]	4-Axes [X,Y,Z,U]
AXIAL MOVEMENTS							
X, U AXES	mm	3050	3050	3050	3050	3050	3050
Y AXIS	mm	1530	1530	1530	1530	1530	1550
Z AXIS	mm	150	150	150	150	150	150
ACCELERATIONS							
X,U AXES	G	1,5	1,5	1,5	1,5	1,5	1,5
Y AXIS	G	1,5	1,5	1,5	1,5	1,5	1,5
Z AXIS	G	1,5	1,5	1,5	1,5	1,5	2,5
MAX. AXES VELOCITIES	m/min	141 (simultaneous) (X, Y single axis 100 m/min)	141 (simultaneous) (X,Y single axis 100 m/min)	141 (simultaneous) (X,Y single axis 100 m/min)	141 (simultaneous) (X,Y single axis 100 m/min)	141 (simultaneous) (X,Y single axis 100 m/min)	141 (simultaneous) (X,Y single axis 100 m/min)
POSITIONING ACCURACY	mm/n	± 0,05	± 0,05	± 0,05	± 0,05	± 0,05	± 0,05
REPETITION ACCURACY	mm	± 0,025	± 0,025	± 0,025	± 0,025	± 0,025	± 0,025
AUTOMATIC LOADING - UNLOADING UNIT	palette	2 (35 sec)	2 (35 sec)	2 (35 sec)	2 (35 sec)	2 (35 sec)	2 (35 sec)
ASSIST GAS							
OXYGEN	-	0,3 - 12 Bar	0,3 - 12 Bar	0,3 - 12 Bar	0,3 - 12 Bar	0,3 - 12 Bar	0,3 - 12 Bar
NITROGEN	-	0,5 - 25 Bar	0,5 - 25 Bar	0,5 - 25 Bar	0,5 - 25 Bar	0,5 - 25 Bar	0,5 - 25 Bar
DRY AIR	-	0,5 - 25 Bar	0,5 - 25 Bar	0,5 - 25 Bar	0,5 - 25 Bar	0,5 - 25 Bar	0,5 - 25 Bar
CUTTING HEAD	-	Precitec Light Cutter Head	Precitec Light Cutter Head	Precitec Procutter Motorised Cutting Head	Precitec Procutter Motorised Cutting Head	Precitec Procutter Motorised Cutting Head	Precitec Procutter Motorised Cutting Head
CNC	-	BECKHOFF	BECKHOFF	BECKHOFF	BECKHOFF	BECKHOFF	BECKHOFF
CAD/CAM SOFTWARE	-	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT	LANTEK EXPERT CUT
OPERATION VIA PANEL	-	15* touch screen display, alpha numeric keyboard	15* touch screen display, alpha numeric keyboard	15* touch screen display, alpha numeric keyboard	15* touch screen display, alpha numeric keyboard	15* touch screen display, alpha numeric keyboard	15* touch screen display, alpha numeric keyboard
TOTAL ELECTRIC POWER NECESSITY	kW	12	14	18	20	22	28
MACHINE DIMENSIONS (L x W x H)	mm	9190 x3710 x2200	9190 x 3710 x 2200	9190 x 3710 x 2200	9190 x 3710 x 2200	9190 x 3710 x 2200	9190 x 3710 x 2200
MACHINE WEIGHT	kg	11200	11200	11200	11200	11200	11200