



### HIGH VOLUME LASER BLANKING LINE - BWD LINE 1 SPECIFICATIONS

Line	Gauge Range (Inches)		Coil Width (Inches)		Coil Weight Max (lbs)	Coil Size ID and OD (Inches)		Pallet Weight Max (lbs)	Pallet Height Max (Inches)	Blank Width and length (inches)		Blank Weight Max (lbs)	Materials						
			Min	Max		20.0	24.0			15.75	165.0		HR	CR	CO	SS	EX	ALM	AHS
BWD 1	0.024	0.12	15.75	84.5	77,000	20.0	24.0	22,000 Lbs	26.0	15.75	165.0	110	X	X	X	X	X	X	X
	0.024	0.12				32.5	78.0												

Line	Gauge Range (MM)		Coil Width (MM)		Coil Weight Max (kg)	Coil Size ID and OD (MM)		Pallet Weight Max (mT)	Pallet Height Max (mm)	Blank Width and length (MM)		Blank Weight Max (kg)	Materials							
			Min	Max		508.0	609.6			400	2150		HR	CR	CO	SS	EX	ALM	AHS	
BWD 1	0.6	3.0	400	2140	35,000	508.0	609.6	10	710.0	400	2150	50	X	X	X	X	X	X	X	X
	0.6	3.0				825.5	1981.2													

COIL SPECIFICATIONS		MIN	MAX	Unit
MAXIMUM COIL WEIGHT			35,000	kg
			<b>77,000</b>	<b>lbs</b>
STRIP WIDTH		400	2150	mm
		<b>16</b>	<b>84</b>	<b>inch</b>
COIL OD		<b>774</b>	<b>1981</b>	mm
		<b>35</b>	<b>78</b>	<b>inch</b>

MATERIAL SPECIFICATIONS		MIN	MAX	Unit
<b>MILD STEEL</b>				
STRIP THICKNESS		0.60	3.0	mm
		<b>0.02</b>	<b>0.12</b>	<b>inch</b>
Tensile strength Rm		270	600	N/mm <sup>2</sup>
Yield strength Re		150	480	N/mm <sup>2</sup>

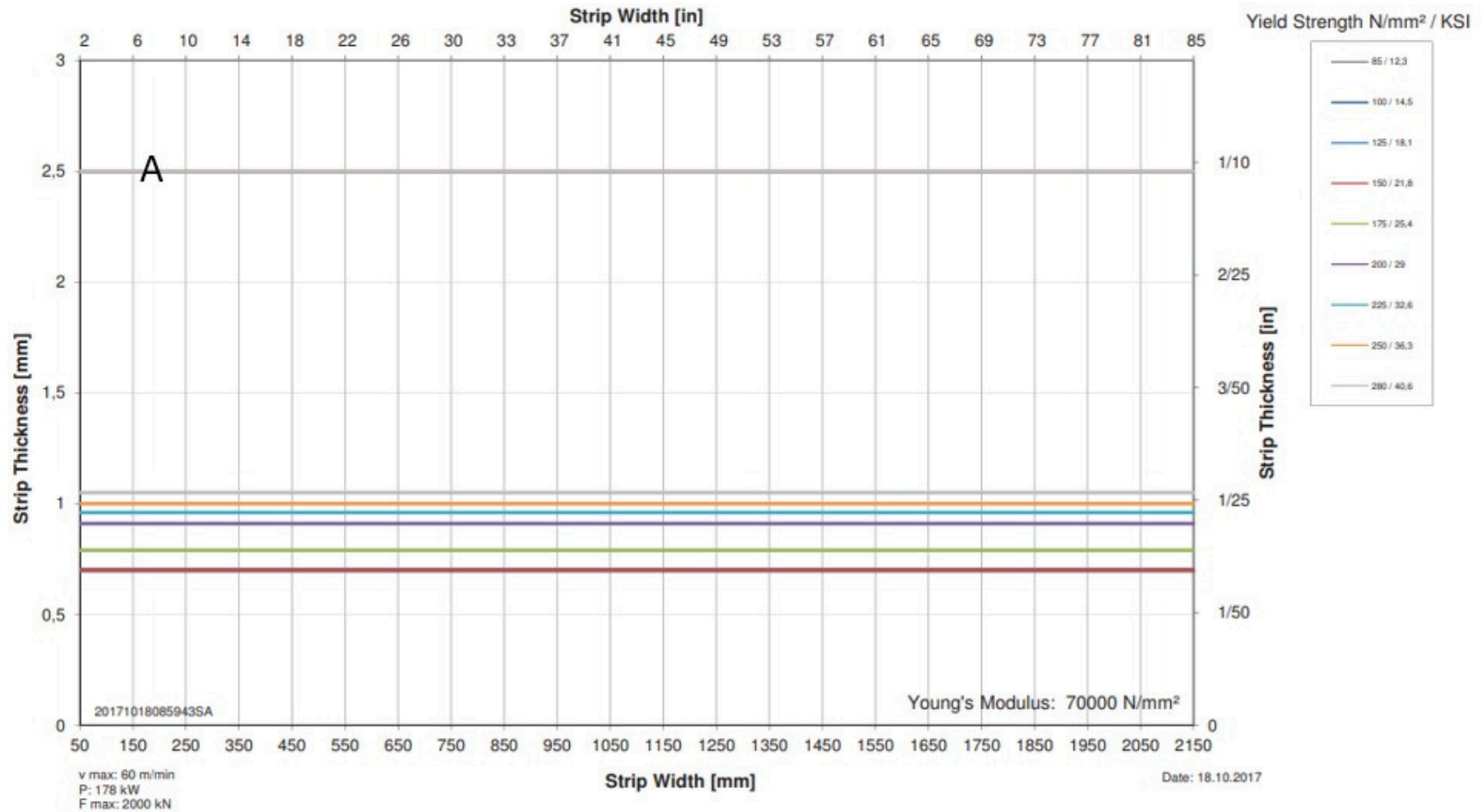
HIGH STRENGTH STEEL		MIN	MAX	Unit
STRIP THICKNESS		0.60	3.0	mm
		<b>0.02</b>	<b>0.12</b>	<b>inch</b>
Tensile strength Rm			1000	N/mm <sup>2</sup>
Yield strength Re			1200	N/mm <sup>2</sup>

ALUMINUM		MIN	MAX	Unit
STRIP THICKNESS		0.7	3.0	mm
		<b>0.03</b>	<b>0.12</b>	<b>inch</b>
Tensile strength Rm			140 - 450	N/mm <sup>2</sup>
Yield strength Re			85 - 280	N/mm <sup>2</sup>

BLANK SPECIFICATIONS		MIN	MAX	Unit
Length with handover robots		600	4200	mm
		<b>24</b>	<b>165</b>	<b>inch</b>
Length without handover robots		400	4200	mm
		<b>16</b>	<b>165</b>	<b>inch</b>
Width		400	2150	mm
		<b>16</b>	<b>85</b>	<b>inch</b>
Blank weight, max.			50	kg
			<b>110</b>	<b>lbs.</b>
			10	t
Stack weight, incl. pallet, max./cart			<b>11</b>	<b>tn. Sh.</b>
			710	mm
Stack height			<b>28</b>	<b>inch</b>

SCRAP SPECIFICATIONS		MIN	MAX	Unit
Min. length passing gap & slide bars (laser 1 finished cut)		250		mm
		10		inch
Min. length passing gap & slide bars (laser 2 finished cut)		125		mm
		<b>5</b>		<b>inch</b>
Max. length falling into debris gap under laser			130	mm
			<b>5</b>	<b>inch</b>
Max. scrap diagonal for falling into the debris gap under the laser			175	mm
			<b>7</b>	<b>inch</b>
Max. scrap diagonal for falling onto the scap conveyor belt (in case of a 5-blade slitter device)			800	mm
			<b>31</b>	<b>inch</b>

## LEVELLING CAPABILITY CHART AC-SBAC-17-50-212-2150-280-60



The Leveler's limit is not reached at any Aluminum yield strength up to 2.5mm thickness, so all these Capability lines are located at the same thickness and it is grey at A.

EXAMPLE: Aluminum with 150Mpa YS can be leveled at all widths between 0.7mm and 2.5mm thick. Aluminum with 290Mpa YS can only be leveled between 1.1mm and 2.5mm.