

Section 7

Machinery

Cutting (Lisec - Austria)



Production Line (Work Center)	No. of Lines	Design Capacity/Line (Average 8hrs shift)	Loading Area : Max & Min Size
Cutting	2	2304 Sqm	3300 x 6000 : 100 X 100 3mm-19mm thick

**Note: Design Capacity based on 180 seconds cycle time and average of glass size is 7.22m².
Output per hour is 144m² / line. (Lisec)**

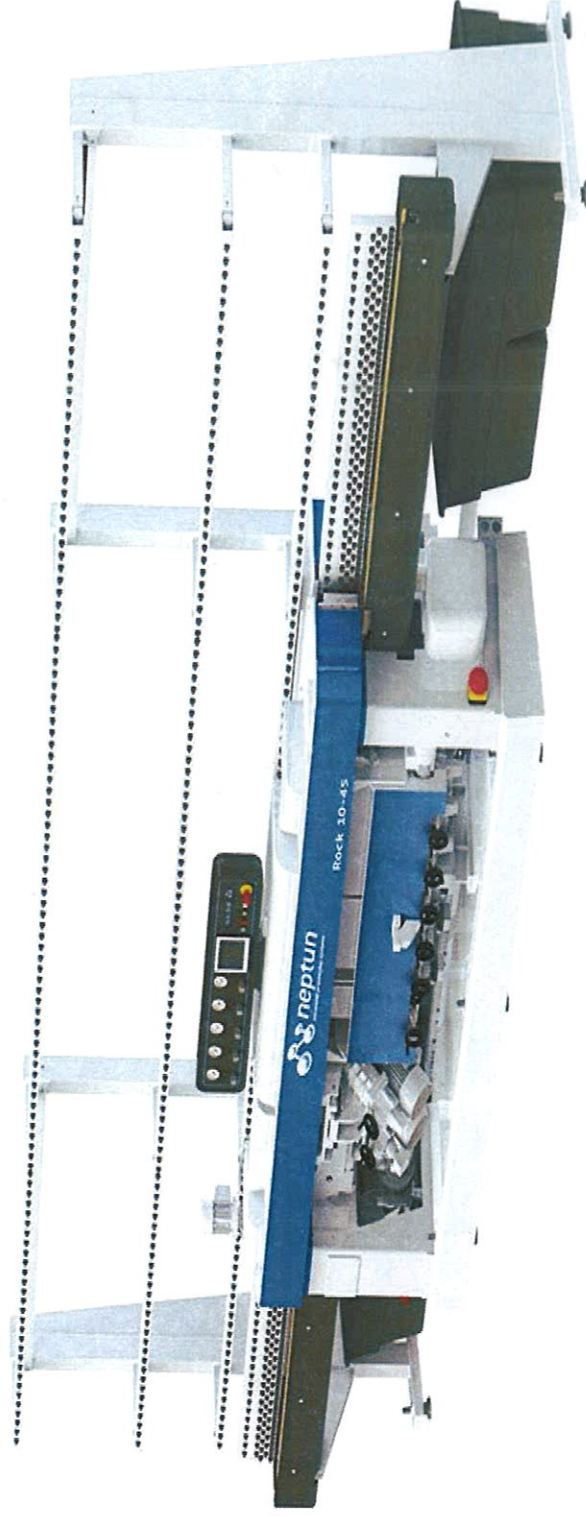
Multi layer - Glass Cutter (Putch - Italy)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Multi layer - Glass Cutter	1	500 Sqm	L 3200 x W 2580 x H 2720 : 500 X 500 10 mm-70mm thick

Note: Design Capacity based on the Shape and Glass Thickness.

Straight Edge Polisher (Neptun - Italy)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Straight Edge Polisher	1	600 Sqm	2600 x 4000: 45 X 65 3 mm-40 mm thick

Note: Design Capacity varies Depends on the Shape and Glass Thickness.

Vertical Polisher & Driller (Neptun - Italy)



Production Line (Work-Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Vertical Edger , Polisher & Driller(CNC)	1	800 Sqm	2600 x 6000 : 3 mm-19 mm thick

Note: Design Capacity based on the Thickness and Process.

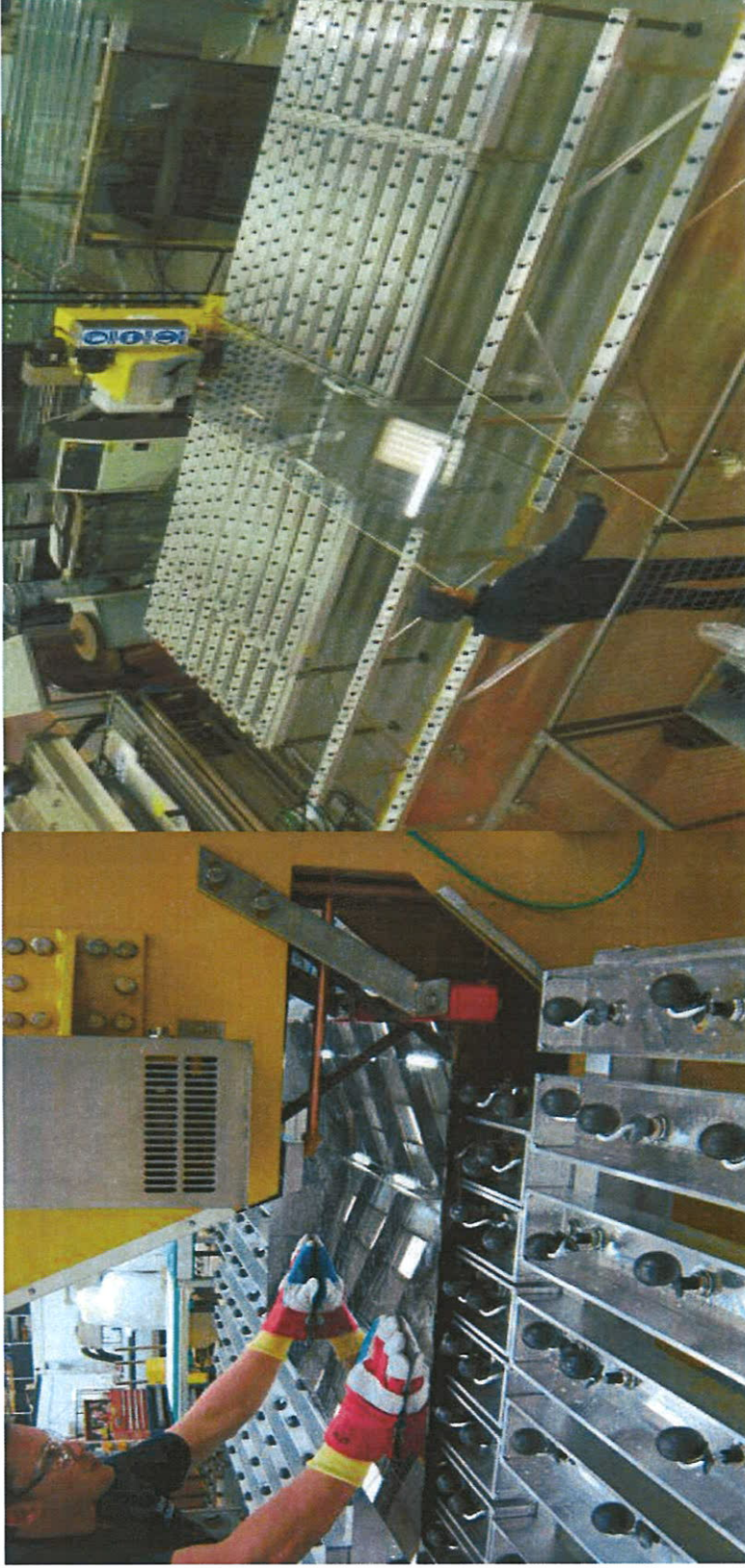
Horizontal Polisher & Driller (Benteller - Germany)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Horizontal Edger, Polisher & Driller	1	1600 Sqm	2800 x 6000: 250 X 450 3 mm-21 mm thick

Note: Design Capacity based on the Thickness and Process.

Flat Arriser -(Ashton - U.K.)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Flat Arrising	1	2000 Sqm	2440 x 4000 : 300 x 300 3 mm-19mm thick

Note: Design Capacity based on the Thickness.

Glass Printing - Screen(Kippax - UK)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Printing (Plain)	1	300 Sqm	2032 x 4013 : 300 x 300 4 mm-19 mm thick
Printing (Design)		150 Sqm	2032 x 4013 : 300x 300 4 mm-19 mm thick

Note: Design Capacity based on the Thickness and Design Complication.

Tempering - (Glasstech - U.S.A)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Tempering 6mm & above	2	2108 Sqm	2440 x 6000: 300 X 300 6 mm-19 mm thick
Tempering 4mm & 3 mm(HS only)		508 Sqm	1220 X 2440 : 300 X 300 3.8 mm to 4 mm thick

Note: Design Capacity based on the Thickness and Heat Treatment Process .

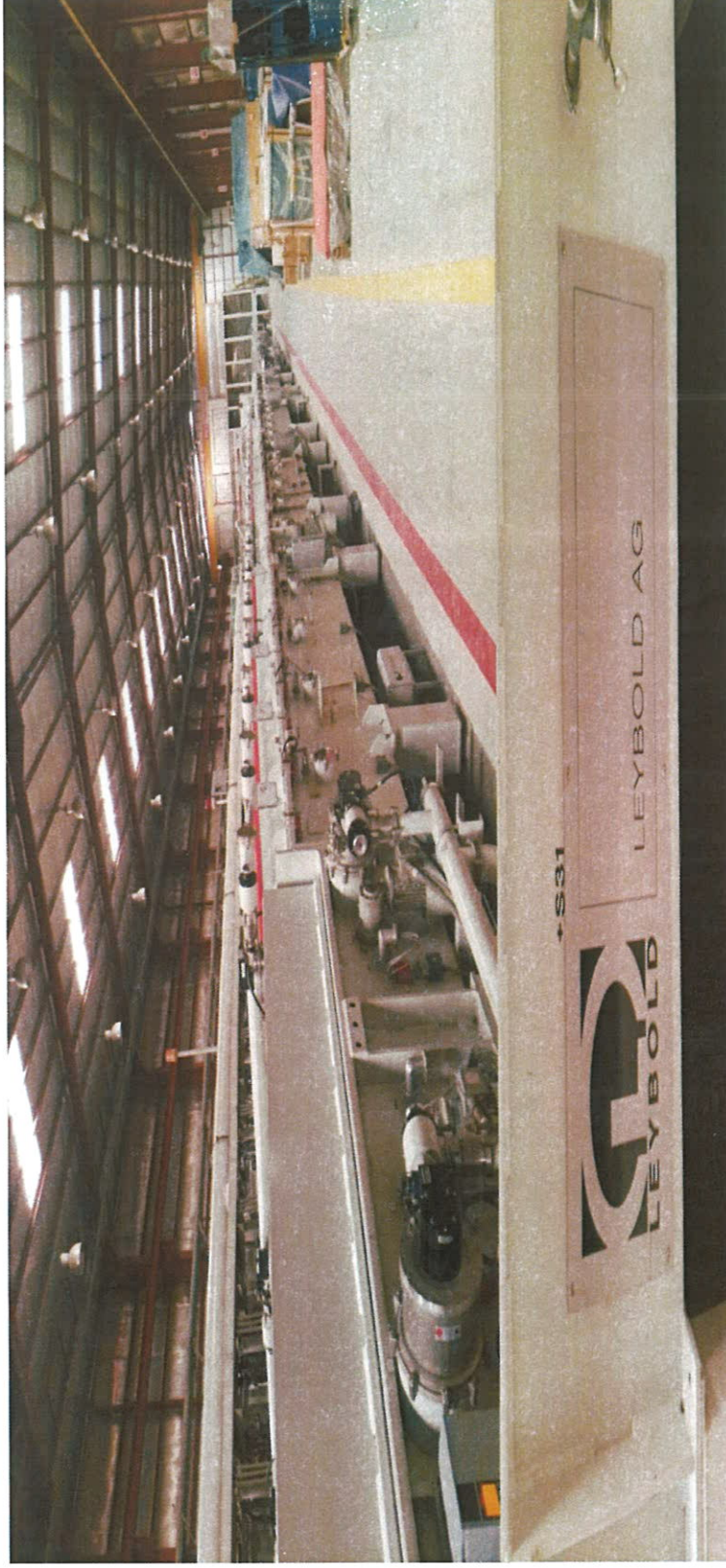
Heat Soak Oven - (Blokkiln - Netherland)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (2 Cycles Per 24 hrs)	Loading Area : Max & Min Size
Heat Soak Test Oven	1	400 Sqm (2 Cycles)	5500 X 3000 x 2500 : 300 x 300 / 4mm -19 mm

Note: Design Capacity is for 6mm Thickness and 90% Rack Size Utilization.

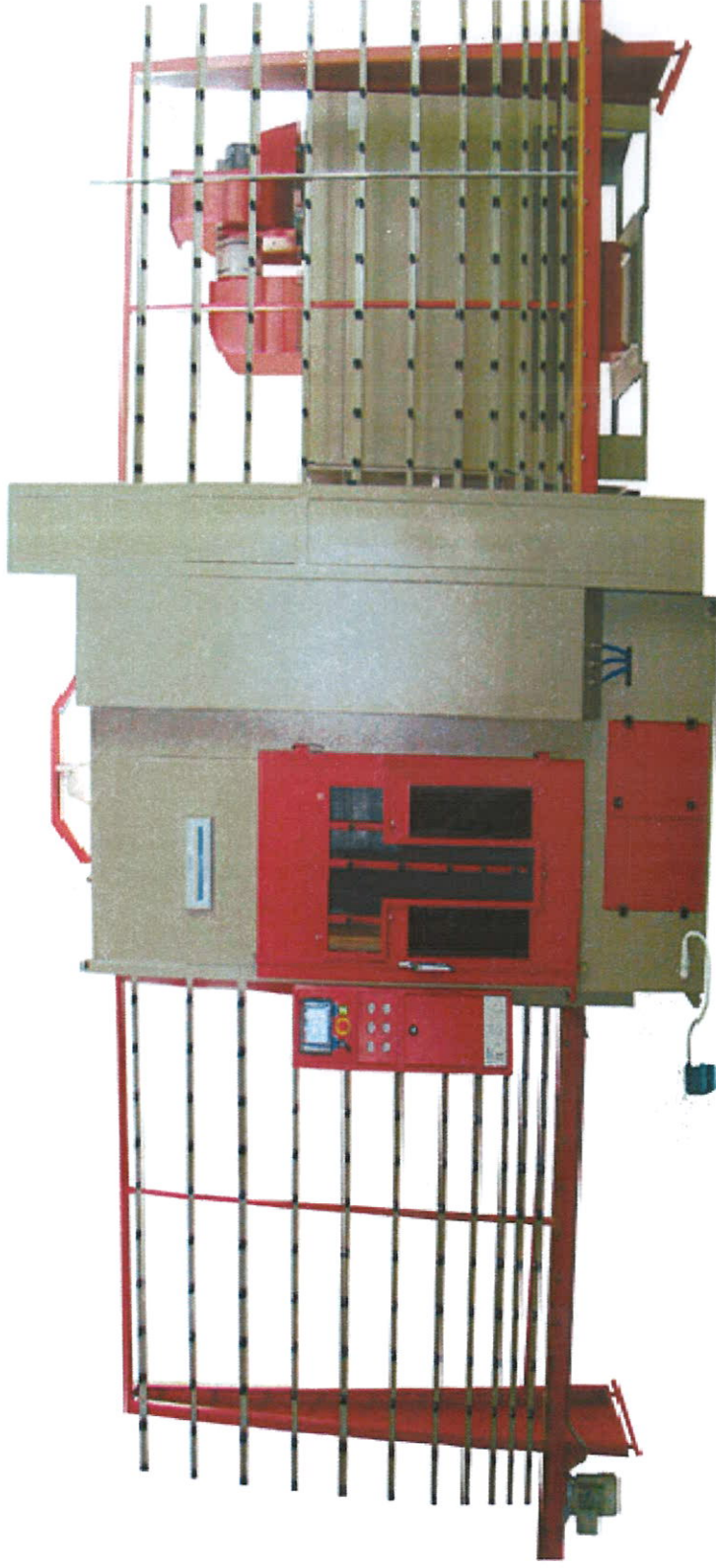
CL-03 - Coater (Leybold - Germany)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Coater Cathode Design - 18 Nos. Cathode Online - 10 Nos. Cathode Standby - 1 No.	1	1600 Sqm	3210 x 6000: 500X 800 3 mm-13.5 mm thick

Note: Design Capacity varies for every coating type and 60% Bed Utilization.

Sand Blasting (Dynamikh - Greece)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Sand Blasting	1	200 Sqm	4000 x 2400: 450 x 450 4 mm-12 mm thick

Note: Design Capacity is for 6mm Thickness and Varies for Design.

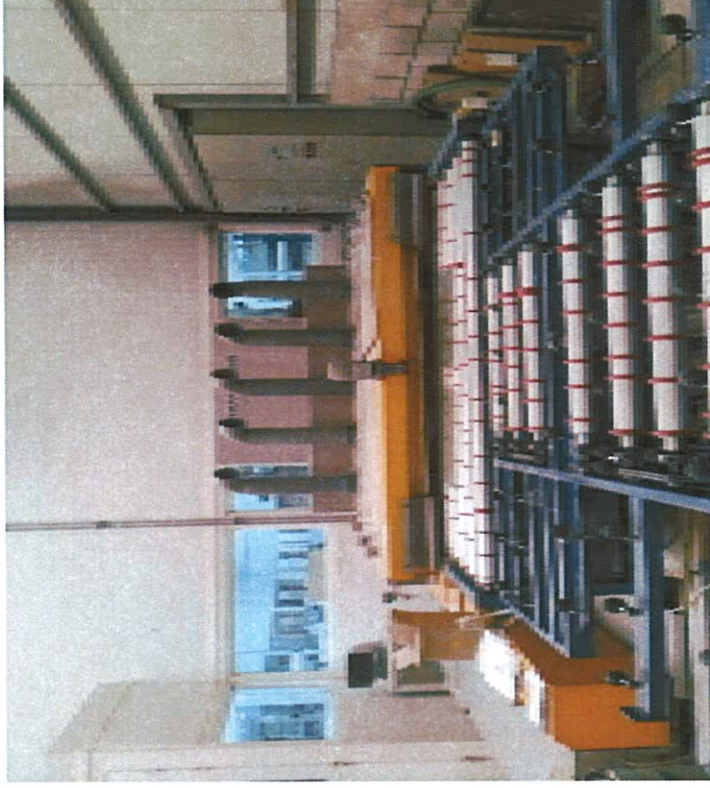
Double Glazing (Lisec- Austria)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
New DGU - Robotic Sealing	1	560 Sqm	5000 x 2400: 180 x 350 12 mm-52 mm thick
Old DGU - Manual Sealing	1	440 Sqm	3600 x 2400: 300 x 500 12 mm-52 mm thick

Note: Design Capacity for Normal 6+12+6 and Varies for Schuocco, Step, Shape.

Flat Lamination (TamGlass - Finland)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Lamination - Layup	1	260 Sqm	4500 x 2500: 300 x 300 6.38 mm- 80 mm thick

Note: Design Capacity varies from single to multiple lamination and Interlayer thickness.

Autoclave AK - (TamGlass - Finland)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Autoclave AK	1	220 Sqm / 7 Tones	5000 x 2500: 300 x 300 6.38 mm- 80 mm thick

Note: Design Capacity Cycle time varies for single and multi lamination.

Autoclave & Heat Soak Oven - (Scholz - Germany)



Production Line (Work Center)	No. of Lines	Design Capacity per Line (Average 8hrs shift)	Loading Area : Max & Min Size
Autoclave	1	160 Sqm / 5 Tones	7000 x 2800: 300 x 300 6.38 mm- 80 mm thick
Heat Soak Test		160 Sqm/2.5 Tones	7000 x 2800: 300 x 300 6.38 mm- 80 mm thick

Note: Design Capacity Cycle time varies for single and multi lamination.