



Technology that shapes Innovation

ROTOLINE[®]

Rotoline

The Future of Rotational Molding



Why Automation?

- Increased Safety
- Reduced human interaction
- Efficiency
- Labor savings
- Less Waste
- Less mold damage



SO 1.60

- **4 Arm Carousel**
- **Fully automated**
- **NO Labor required**
- **Full robot capabilities**





Automated tooling

- Reduces damage
- Increased efficiency
- No bolts/clamps
- Precise locations



Capabilities

Mold Set options

- (3) Mold Holder
- (4) Mold Holder
- (5) Mold Holder

Fast Oven Cycles

- Low as (6) Min.

Demold times

- Low as (5) Min.



Simulation Date	sept/2021	Revision:	R0	
Customer:	Rotoline			
Machine:				
Notes:	SO 1.60			



Production Estimative

Enter Cycle Times:

	Cart 01	Cart 02	Cart 03	Cart 04
Oven	8	8	8	8
Pre-Cooling	8	8	8	8
Cooling	8	8	8	8
Unload	8	8	8	8

Raw Material Weight

	Kg
Mold X	0
Mold A	0
Mold B	0
Mold C	0
Mold D	0

Time for 8 Cycles

88	min
11,0	min/ciclo
43,6	Cycles/8 Hours
120,0	Cycles/22 Hours

	Molds	Qty	Pieces 8h	Total Kg 8h	Pieces 22h	Kg 22 h	Pieces 23h	Kg 23 h
Cart 1.a	a	12	131	0	360	0	376	0
Cart 1.b	a	12	131	0	360	0	376	0
Cart 2.a	b	12	131	0	360	0	376	0
Cart 2.b	b	12	131	0	360	0	376	0
Cart 3.a	c	12	131	0	360	0	376	0
Cart 3.b	c	12	131	0	360	0	376	0
Cart 4.a	d	12	131	0	360	0	376	0
Cart 4.b	x	12	131	0	360	0	376	0
Total 1d			1047	0	2880	0	3011	0
Total 22d			23.040	0	63.360	0	66.240	0
Total 30d			31.418	0	86.400	0	90.327	0

Results:

	Cycles 8h	Cycles 22h
Cart 1	10,9	30,0
Cart 2	10,9	30,0
Cart 3	10,9	30,0
Cart 4	10,9	30,0

Attention:

The sum uses values rounded up



Labor Study

Current Molder in Brazil

(7) Standard machines (Rotoline)

(1) SO1.60 Carousel (Rotoline)

- Labor reduction on the machine
- Plant moral boost
- Less workplace accidents
- Please visit the booth for more detailed data.





Future of Automation

- Robots
- Automated Tooling
- Efficient Ovens
- Forward thinking

Kent Ohio Demo
upon request





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