

Preference

PrefCIM

What is CIM?

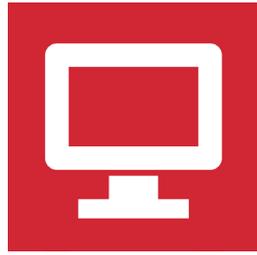
Computer Integrated Manufacturing (CIM) is a comprehensive method where computer systems manage and control the entire manufacturing process. From initial design to the final product, all stages are automated and interconnected, resulting in a streamlined workflow.

How CIM can Transform Your Factory

The use of CIM is revolutionizing various industries by bringing efficiency, flexibility, and data-driven improvements. Here are some of the major ways CIM is making an impact:

Boosted Efficiency: By automating repetitive tasks, CIM reduces manual errors and shortens production cycles, leading to higher output and cost savings.

Enhanced Product Quality: Automation ensures that quality control is consistent, reducing defects and improving customer satisfaction by delivering reliable products.

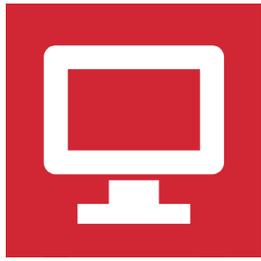


PrefCIM

Cost Reduction: Automation optimizes resource use, reduces waste, and improves inventory management, all contributing to overall cost savings.

Data-Driven Insights: CIM produces large volumes of actionable data that can be analyzed to refine processes and make more informed, real-time decisions.

Real-Time Monitoring: Continuous data collection allows manufacturers to oversee operations in real time, enabling immediate adjustments and proactive problem-solving.



PrefCIM

PrefCIM isn't just a technological innovation

it's a transformative shift that allows manufacturers to achieve higher efficiency, quality, and flexibility across their production processes.

 *Preference*

Production management with PrefCIM (The CIM module of PrefSuite branch software)



- Support of all production workstations
- Dynamic user interface
- Integrated messaging function
- Support of all barcode scanners
- Support of transponder technologies
- Part detection feature
- Integrated part identification algorithm
- Integrated real-time production status monitoring
- Integrated interfaces to automatic machinery (production status feedback)

The key benefits of PrefCIM

Safe thousands of seconds

Decrease preparation duration for work execution

The information provided by PrefCIM will contain information of location of each material which is needed for production process – PrefCIM shows worker in real-time in which containers and slots the requested material is located. Having this information the company is able to save significantly time in production workflow

Helps to decrease the duration of work execution

Using PrefCIM the needed information is available for the worker in real-time. The worker will save a lot of time for searching information in printouts

Safe costs

PrefCIM enables to manage the production without any paper (working sheets). This will decrease drastically the costs for paper, and printing hardware (printers , cartridges)

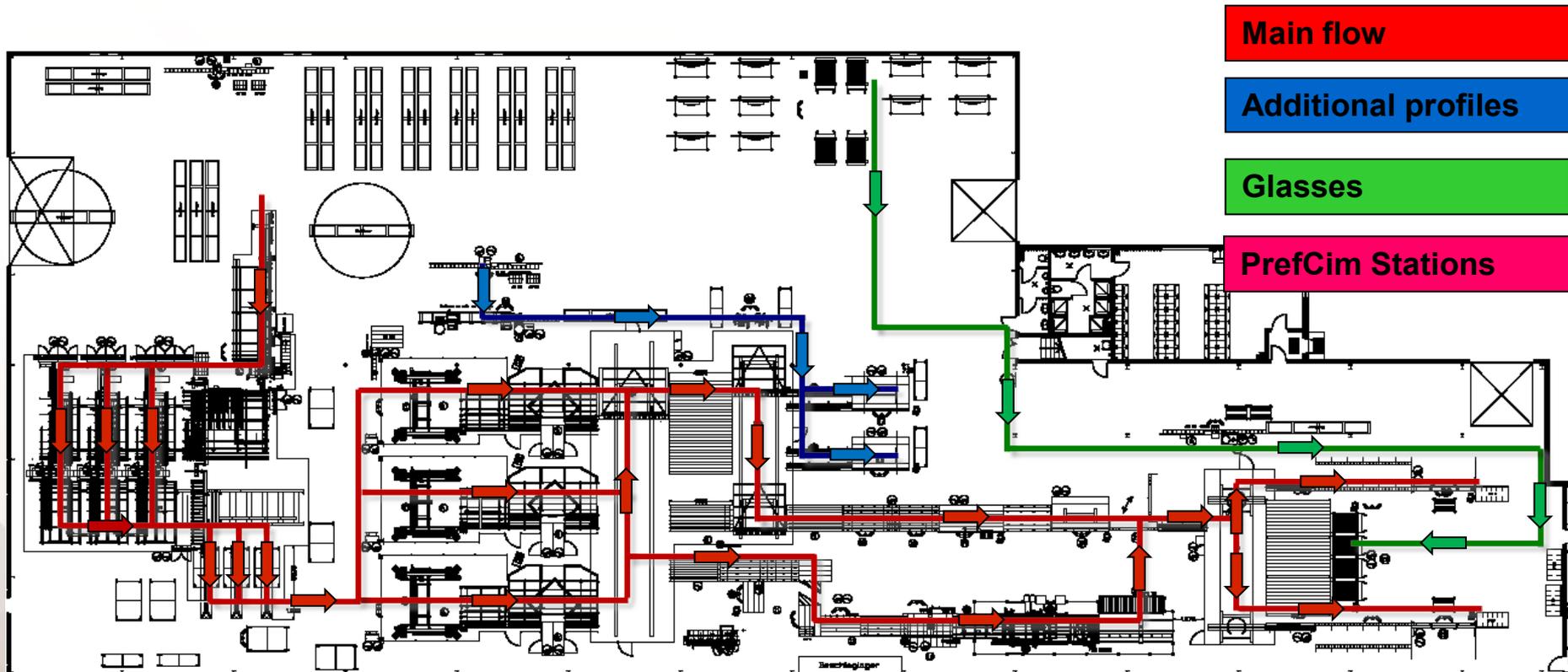
Increase the transparency

Production management

PrefCIM enables the ability to collect information about all activities in the production plants. All operations are tracked and stored in one common database. Having this information the production manager is able to track and analyze production workflows, resources, and bottle necks in production workflow. Also this information is useful for collection of information about duration of any operation in production, in order to increase the precision of labor costs

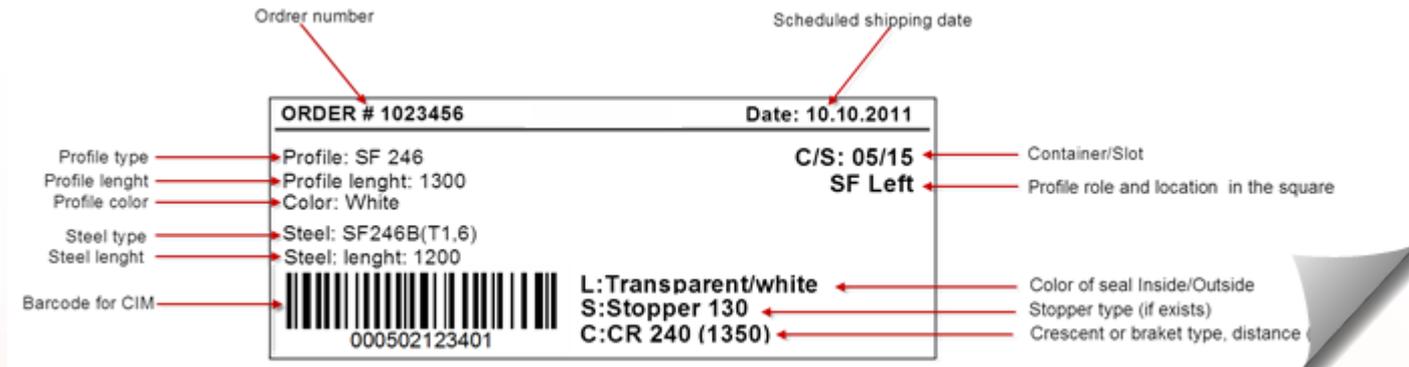
CIM driven workflow

All working place can be equipped with PrefCIM monitoring stations



Design your labels

Labels with barcodes will be printed on cutting center



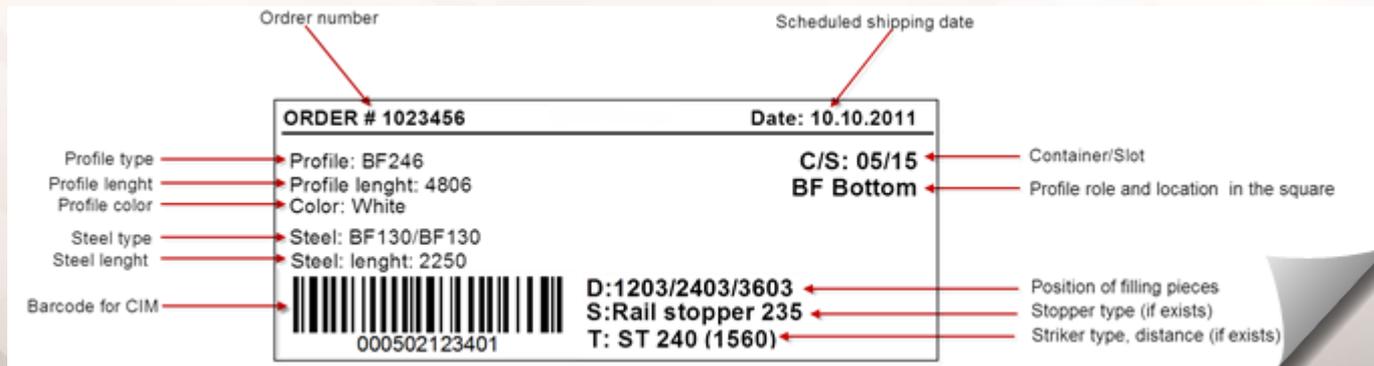
Order number: **ORDER # 1023456** Scheduled shipping date: **Date: 10.10.2011**

Profile type: **Profile: SF 246** Container/Slot: **C/S: 05/15**
 Profile length: **Profile length: 1300** Profile role and location in the square: **SF Left**
 Profile color: **Color: White**

Steel type: **Steel: SF246B(T1,6)**
 Steel length: **Steel: length: 1200**

Barcode for CIM:  **000502123401**

L:Transparent/white Color of seal Inside/Outside
S:Stopper 130 Stopper type (if exists)
C:CR 240 (1350) Crescent or braket type, distance



Order number: **ORDER # 1023456** Scheduled shipping date: **Date: 10.10.2011**

Profile type: **Profile: BF246** Container/Slot: **C/S: 05/15**
 Profile length: **Profile length: 4806** Profile role and location in the square: **BF Bottom**
 Profile color: **Color: White**

Steel type: **Steel: BF 130/BF130**
 Steel length: **Steel: length: 2250**

Barcode for CIM:  **000502123401**

D:1203/2403/3603 Position of filling pieces
S:Rail stopper 235 Stopper type (if exists)
T: ST 240 (1560) Striker type, distance (if exists)

Examples of production screens in your factory

Production screens available:

- Production Status
- Saw cutting control
- Profile assembly
- Hardware control
- Glazing
- Quality Control
- Surface optimization
- Real time information by orders
- Warehouse Monitor
- Reproduction of damaged units
- Packing un-mounted materials
- Shipping



Manage production workflow

Profile assembly



PrefCIM
20.1.2.4651
1/1/0001



Worker #1 Plant: PLANTA PVC
Line: LINEA PVC
Station 6 - Mullions and Rebates

☰

Mullion Montage(1 of 2)

Concept 110DJ13 **Description** Ventana 1 hoja+ Fijo **Width** 830.00 **Height** 1,520.00

Color BLANCO C/JUNTA **Inner color** **Outer color**

Lot 507 / 1 **Order** 101807/2

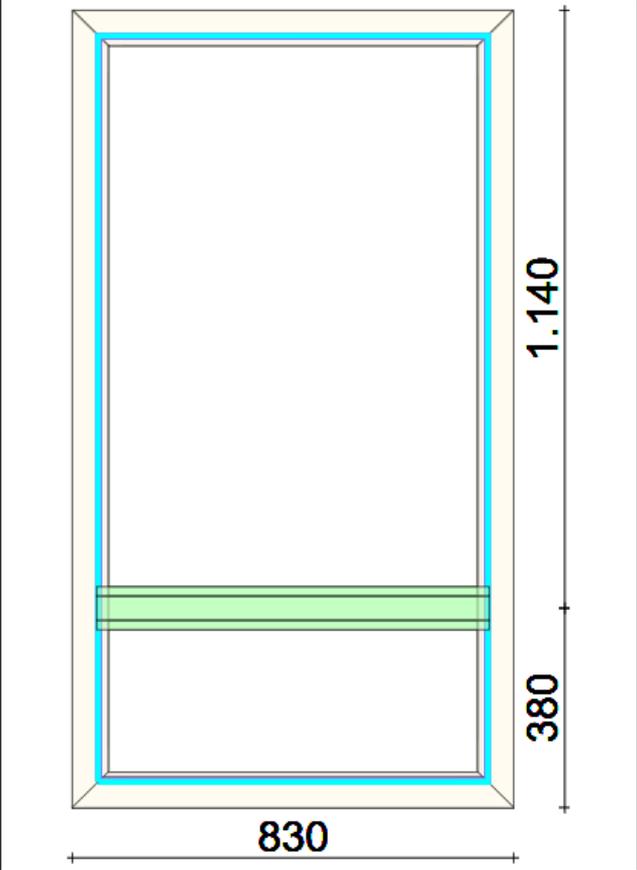
Position 4 **Instance** 2/2 **Submodel** 1

Status

5 / 27 / 0 = 32

Notes GARRAS, SL(153) / SW(165), HERRAJE SEGURIDAD, Vidrio camara 4/14/4

Reference	Color	Inner color	Outer color	Description	Q	W	H	Container
▶ 102113 190172	BLANCO			Travesaño 82 mm.	1	738.00	1/9	



← Enter
I

✖ Cancel
C

📄 Overview
O

📊 Status
S

📄 Material
M

📄 Sections
W

⚙️ Error
R

🔍 Zoom
Z

Manage production workflow

Hardware assembly


PrefCIM 20.1.2.4651
1/1/0001



Worker #1
 Plant: PLANTA PVC
 Line: LINEA PVC
 Station 7 - Sash Hardware



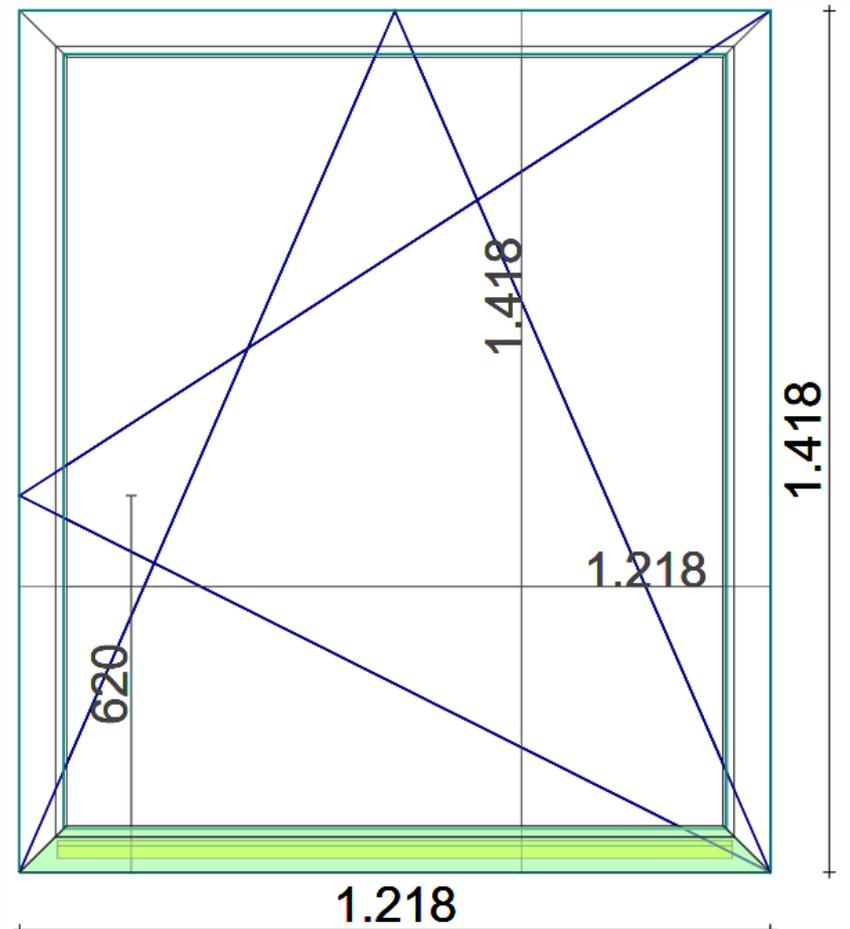
Fitting Sash

Concept 100DJ13 **Description** Ventana 1 hoja **Width** 1,218.00 **Height** 1,418.00
Color MC_BICOLOR **Inner color** MC_AMARILLO **Outer color** MC_NOGAL
Lot 507 / 1 **Order** 101807/2
Position 6 **Instance** 2/2 **Submodel** 1

Status

9 / 23 / 0 = 32

Position in square	Reference	Color	Inner color	Outer color	D	Q	W	H	Container
	6-29987-00-0-1				A	1			
	6-31512-10-0-1				PI	1			
	6-31692-20-R-1				BI	1			
	6-32012-00-0-1				TI	1			
	6-32021-00-0-1				EI	1			
	6-32075-12-0-1				TI	1			
	9-13255-35	SIN COLOR			Tr	2			
	G-22127-00-0-1				C	1			
Left	PR_6-29987-00-0-1				A	1			
Up	PR_6-31512-10-0-1				PI	1			
Up	PR_6-32021-00-0-1				EI	1			
Right	PR_6-32075-12-0-1				TI	1			
Bottom	PR_6-32076-07-0-1				TI	1			
Right	PR_6-36180-01-0-1				BI	1			
Right	PR_9-48898-00-0-1				E.	1			
Left	PR_G-22127-00-0-1				C	1			
Left	PR_M. ATLANTA (VENT)				M	1			
Left	PR_MAN. VENTANA				M	1			
Right	PR_TORNILLO FIJACION				Tr	4			



 Enter
I

 Cancel
C

 Inspect
H

 Overview
O

 Status
S

 Material
M

 Sections
W

 Error
R

 Zoom
Z

Manage production workflow

Glazing



PrefCIM
20.1.2.4651
11/10001

Worker #1 Plant: PLANTA PVC
Line: LINEA PVC
Station 12 - Glazing

Glazing

Concept 200DDS+F10DJ13 **Description** Ventana 2 hojas deslizantes+Fijo 1 hueco **Width** 1,610.00 **Height** 2,000.00

Color BLANCO **Inner color** **Outer color**

Lot 550 / 1 **Order** 101875/3

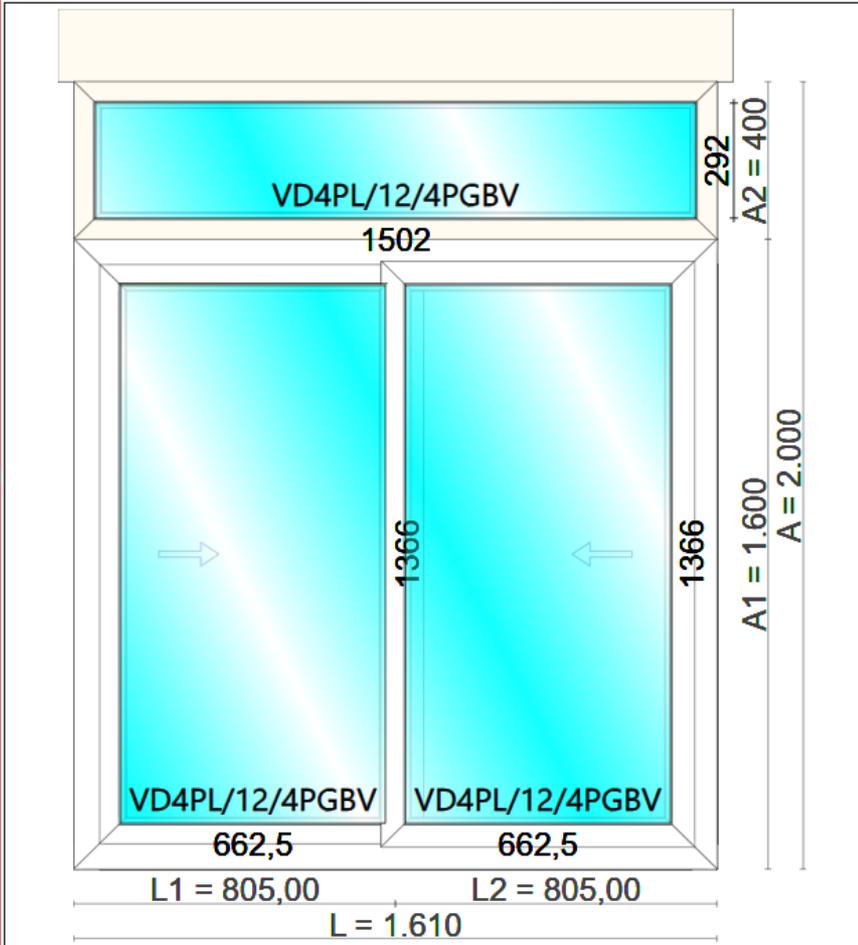
Position 1 **Instance** 3/4 **Submodel** 1

Notes GARRAS, SL(153) / SW(165), Vidrio camara 4 Planitherm Futur/12/4 Parsol 5- Sistema Softline Ekosol

Job, Attn
Varios

Remarks
Observaciones

Reference	Description	Q	W	H	Container
107029 190110	Junquillo estilo SL 18,5mm con junta	2	302.00		2
107029 190110	Junquillo estilo SL 18,5mm con junta	2	1,512.00		1
107120490110	Junquillo redondeado SL 7,0mm	4	672.50		3
107120490110	Junquillo redondeado SL 7,0mm	4	1,376.00		4
VD4PL/12/4PGBV	Vidrio camara 4 Planitherm Futur/12/4 Parsol	2	662.50	1,366.00	
VD4PL/12/4PGBV	Vidrio camara 4 Planitherm Futur/12/4 Parsol	1	1,502.00	292.00	



The drawing shows a window with a total width of 1.610 and a total height of 2.000. It consists of a fixed top pane (VD4PL/12/4PGBV) and two sliding panes (VD4PL/12/4PGBV). Dimensions include: top pane height 292, top pane width 1502, sliding pane height 1366, sliding pane width 662.5, and total height A1 = 1.600 and A = 2.000. Total width L1 = 805.00 and L2 = 805.00, with overall width L = 1.610.

- Enter I
- Cancel C
- Overview O
- Status S
- Material M
- Labels P
- Sections W
- Error R
- Zoom Z

Manage production workflow

Quality Control

PrefCIM 20.1.2.4525 21/12/2022

Quality Control ProfSuite (D) Preference

CIM WK 4 Planta: New Plant
Línea: NP Line 1
Estación de trabajo 199 - Quality control

Entregar
Area Entrega UW

Concepto AL203 Descripción Ancho 1.000,00 Altura 1.235,00
Color RAL 1012 Color interior Color exterior

Lote 105 / 1 Pedido 193
Posición 1 Instancia 1 Submodelo 1

Estado
100%
0 / 1 / 0 = 1

Notas Aluminium window's frame 58 mm
4-12-16

Descripción

Concepto	Sistema
AL203	Aluminium windows

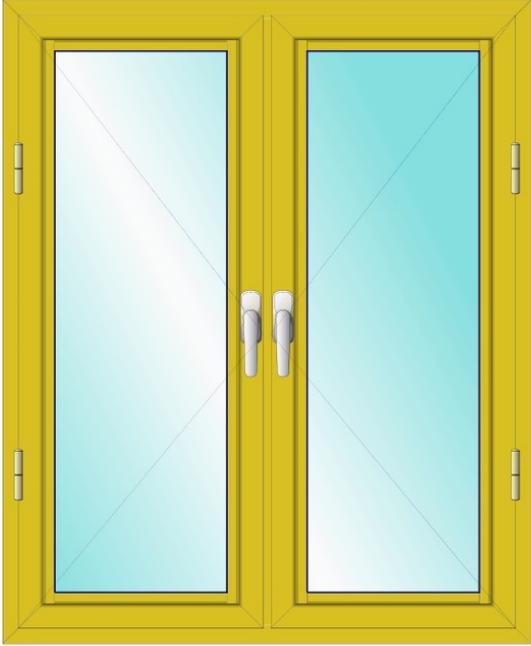
Hojas

- 1: Practicable Izquierda, Activa
Cota variable
Altura maneta: 565
- 2: Practicable Derecha, Activa
Cota variable
Altura maneta: 565

Material
Aluminium window's frame 58 mm

Vidrios
4-14-6 - 4-12-16, Desmontado
4mm
Space14
i6mm
234006 RAL 1012

Dimensiones
Standard: 1000 x 1235
Horizontal
W1: 500
W2: 500



H = 1.235

W1 = 500 W2 = 500
W = 1.000

Entrar I
Cancelar C
Resumen O
Estado S
Etiquetas P
Secciones W
Error R
Zoom Z

Additional processes workflow

Surface optimization



PrefCIM
20.1.2.4651
1/1/0001



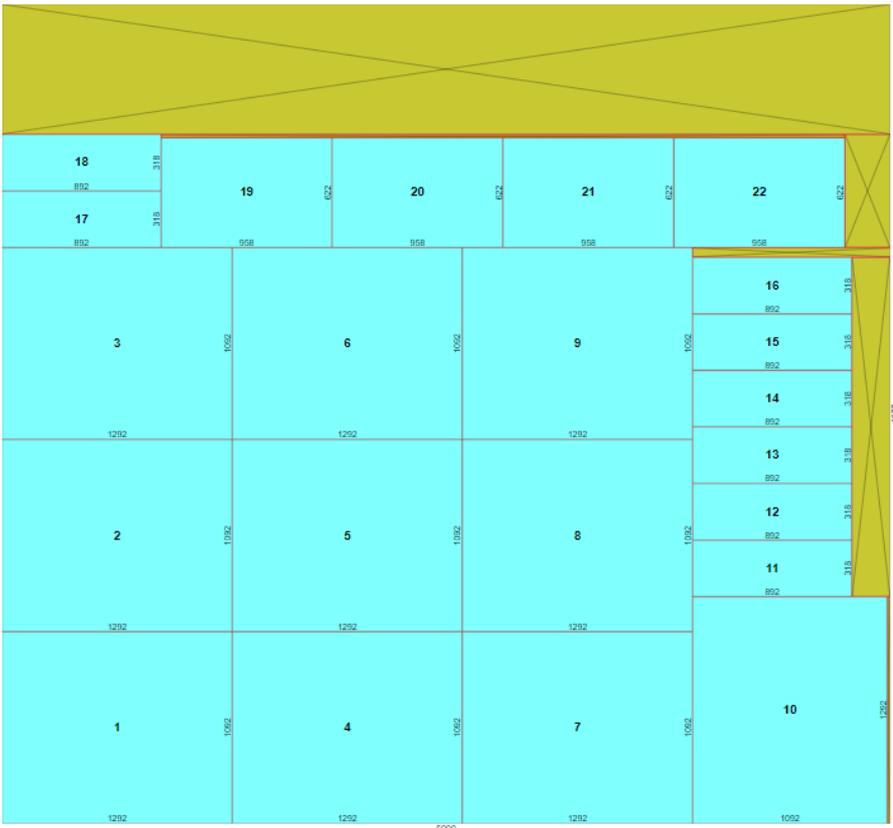
Worker #1 Plant: _____

Line: _____

Station 154 - Cutting 2D



Optimization



Panel

Panel 1 of 1

Reference VD4/14/4

Color COLOR_VIDRIO

Inner color

Outer color

Is remnant Yes

Length 5,000.00

Height 4,677.00



Cut
Y



Cancel
N



Print
P

Parts

P	Reference	Color	Inner color	Outer color	W	H
1	VD4/14/4	COLOR_VIDRIO			1092.00	1292.00
2	VD4/14/4	COLOR_VIDRIO			1092.00	1292.00
3	VD4/14/4	COLOR_VIDRIO			1092.00	1292.00
6	VD4/14/4	COLOR_VIDRIO			1092.00	1292.00
7	VD4/14/4	COLOR_VIDRIO			1092.00	1292.00

Remnant

P	Reference	Color	Inner color	Outer color	W	H
1	VD4/14/4	COLOR_VIDRIO			12.00	1292.00
2	VD4/14/4	COLOR_VIDRIO			3847.00	14.00
3	VD4/14/4	COLOR_VIDRIO			212.00	1933.00
4	VD4/14/4	COLOR_VIDRIO			1109.00	51.00
5	VD4/14/4	COLOR_VIDRIO			5000.00	740.00

Real time information

Real time information by orders



PrefCIM
20.1.2.4651
17/10/001



Worker #1
 Plant: All
 Line: All
 Station 2009 - AB_MONITOR ESTADO

Status of Orders in Production

Number	Version	Order	CIP	Customer	Customize list...	Description	Ready Shipped	Status		
101224	2	223		Preference , SL		PROCESADO y enviado	6/29/2018	Not started	100%	0 / 0 / 0 / 30 / 0 - 30
101225	2	224		MSI 2016.2.0.3466		PROCESADO y enviado	7/25/2018	Started	45% 55%	9 / 0 / 11 / 0 / 0 - 20
101232	2	225		Preference , SL		PROCESADO y enviado	7/27/2018	Not started	100%	0 / 0 / 0 / 5 / 0 - 5
101234	2	227		Preference , SL		PROCESADO y enviado	8/3/2018	Ready Shipped	100%	2 / 0 / 0 / 0 / 0 - 2
101235	2	228		Isabel Savall Soria		PROCESADO y enviado	7/4/2018	Ready Shipped	100%	3 / 0 / 0 / 0 / 0 - 3
101236	2	229		M.Carmen		PROCESADO y enviado		Ready Shipped	100%	2 / 0 / 0 / 0 / 0 - 2
101237	2	230		MSI 2016.2.0.3473		PROCESADO y enviado		Started	40% 60%	8 / 0 / 12 / 0 / 0 - 20
101238	2	231		Isa Pack		PROCESADO y enviado	8/1/2018	Started	5% 95%	0 / 1 / 1 / 0 / 0 - 2
101243	2	235		MSI 2018.1.1.3691		PROCESADO y enviado		Not started	100%	0 / 0 / 0 / 20 / 0 - 20
101245	2	237		MSI 2018.1.1.3691		PROCESADO y enviado		Not started	100%	0 / 0 / 0 / 20 / 0 - 20
101247	2	239		MSI 2018.1.1.3691		PROCESADO y enviado		Started	15% 80%	3 / 1 / 1 / 0 / 0 - 2
101253	2	240		Preference , SL		PROCESADO y enviado	8/29/2018	Started	100%	0 / 0 / 1 / 0 / 0 - 1
101257	2	243		PRUEBA DESUBICADO PERSIANAS		PROCESADO y enviado		Ready production	100%	0 / 2 / 0 / 0 / 0 - 20
101258	2	244		Preference , SL		PROCESADO	12/14/2018	Started	100%	0 / 0 / 8 / 0 / 0 - 8
101259	2	245		PRUEBAPERFILESCURVOS		PROCESADO y enviado		Started	100%	0 / 0 / 1 / 0 / 0 - 1
101260	2	246		PRUEBAMODELOSCURVOS_2		PROCESADO y enviado		Started	100%	0 / 0 / 2 / 0 / 0 - 2
101262	2	248		MSI 2016.2.0.3337		PROCESADO y enviado		Started	100%	0 / 0 / 20 / 0 / 0 - 20
101266	1	250		Cliente 1		PROCESADO y enviado		Started	17% 83%	0 / 0 / 1 / 5 / 0 - 6
101267	1	251		Cliente 2		PROCESADO y enviado		Not started	93%	1 / 0 / 0 / 14 / 0 - 1
101268	2	252		M.Carmen		PROCESADO y enviado		Ready Shipped	100%	3 / 0 / 0 / 0 / 0 - 3
101269	1	253		PRUEBA SERGIO 123		PROCESADO y enviado		Not started	100%	0 / 0 / 0 / 1 / 0 - 1
101270	1	254		PRUEBA_SERGIO_2		PROCESADO y enviado		Started	100%	0 / 0 / 1 / 0 / 0 - 1
101271	2	255		PRUEBA PLANIFICADOR		PROCESADO y enviado		Ready production	66% 33%	2 / 1 / 0 / 0 / 0 - 3
101272	2	256		Pruebas Sumum		PROCESADO y enviado		Not started	100%	0 / 0 / 0 / 1 / 0 - 1