

Software organimold

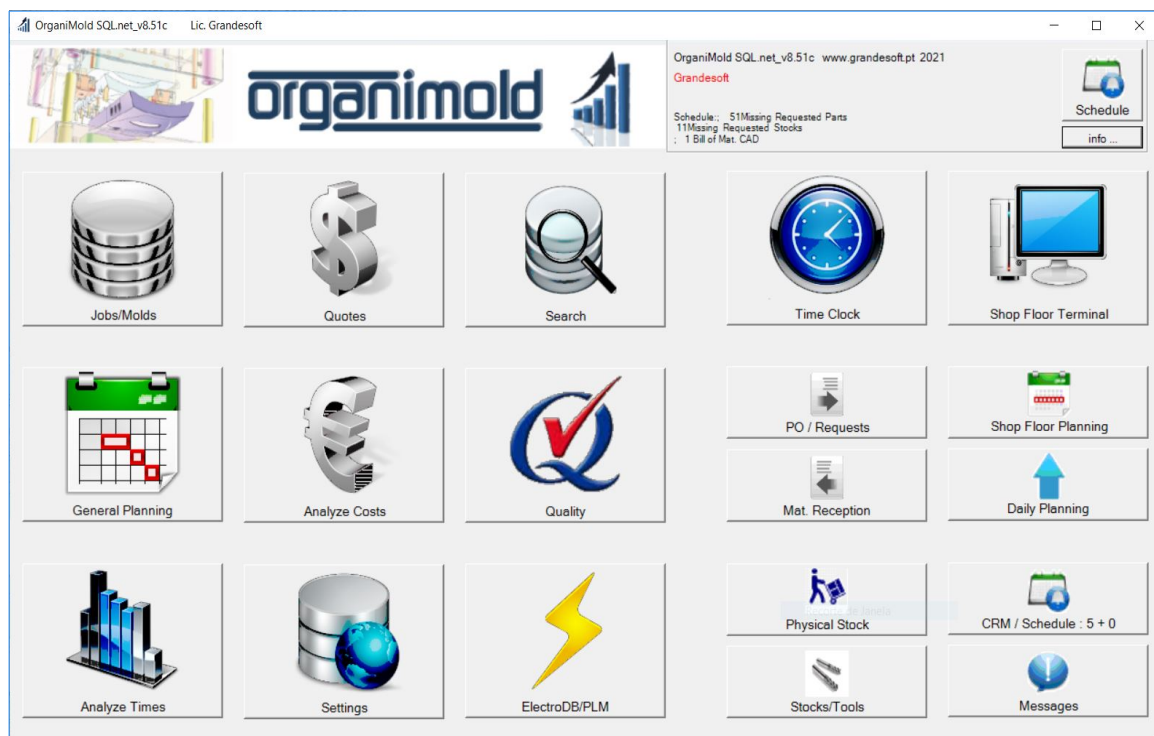
Production Management of Jobs/Molds

Automatic/Dynamic Planning

organimold



GrandeSoft | Advanced Software Solutions | www.grandesoft.pt



The Software organimold is an integrated Jobs/Molds Production Management System (Integration of processes, systems and software of industry 4.0)



General Planning

Organimold SQLnet_v8.10

Job/Mold: M0001 Plastic Parts Estimated Time: 31:24 Deadline Part: 2020-11-15
 Part: 100 CAVITY Real time: 65:20 Initial Date: 2020-08-05
 % completed: 69% End Date: 2020-10-06 Part stopped (days): 27,9 Days of advancement: 40,0

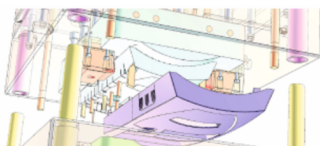
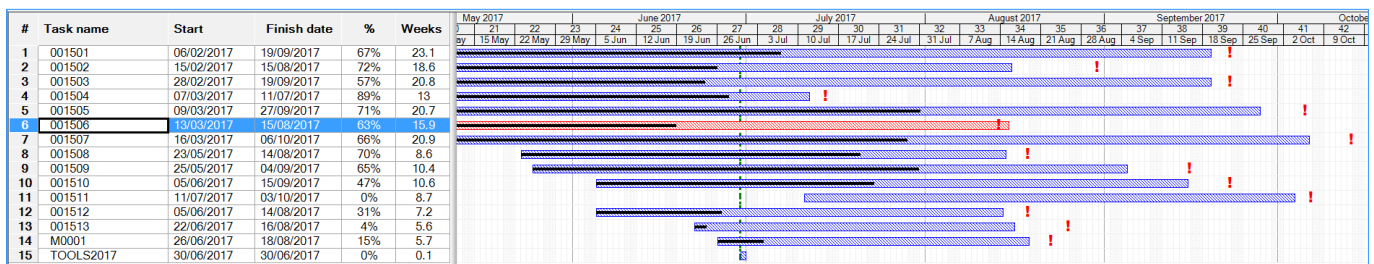
Estado	Seção	Operação	Máquina	Descrição	Current Operator	Esti. T. (Hr)	Real T. (Hr)	Missing T. (Hr)	Days Waiting	First Operator	Last Operator
Completed	STOCKS	STOCK	X-FMAT	Stocks	BE	0:10	0:11			BE	BE
Pause	CAM	CAM	CAM2	CAM	NA	1:08	1:02			NA	NA
Running	ROUGHING	ROUGHING	GAL1	Roughing	FF	1:08	65:10		+1h?	FX	FF
	CNC	CNC-ROUGH	CNC2-HURCO	CNC - Roughing		6:08	0:00	6:08	10 d		
	ROUGHING	COOLING_DRILL	BORING1	Cooling Drill		0:28	0:00	0:28			
	GRINDING	GRINDING	GRINDING1	Grinding planar		3:00	0:00	3:00			
	CNC	CNC-HSM	CNC7	CNC - HSM Mill		2:16	0:00	2:16	4 d		
	SINK-EDM	SINK-EDM	SINK-EDM1	Sink EDM		7:54	0:00	7:54			
	QCONTROL	QCONTROL	DIM1	Control		1:00	0:00	1:00			
	ASSEMBLY	POLISH	ASSEMBLY1	Polish		7:00	0:00	7:00	12 d		

Initial estimated time: 31 hours
 real time: 65 hours
 remaining estimated time: 3 hours
 days until deadline / total days: 69 / 102
 32% of days elapsed until the end of the deadline

Diagram
 Time Q/E/A Dep.
 Parts Chart
 Family Chart
 Operations Chart
 Progress Report
 Mach. Load Chart
 Machine status
 Gantt Settings
 Upt. Man. >
 Exit

Visualize progress

For each Mold as well as for each specific part, progress, deadlines, estimated and real starting and conclusion dates can be displayed graphically for a more quick and easy evaluation.





General Planning

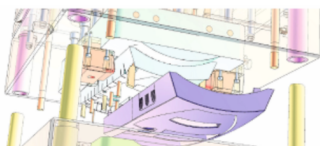
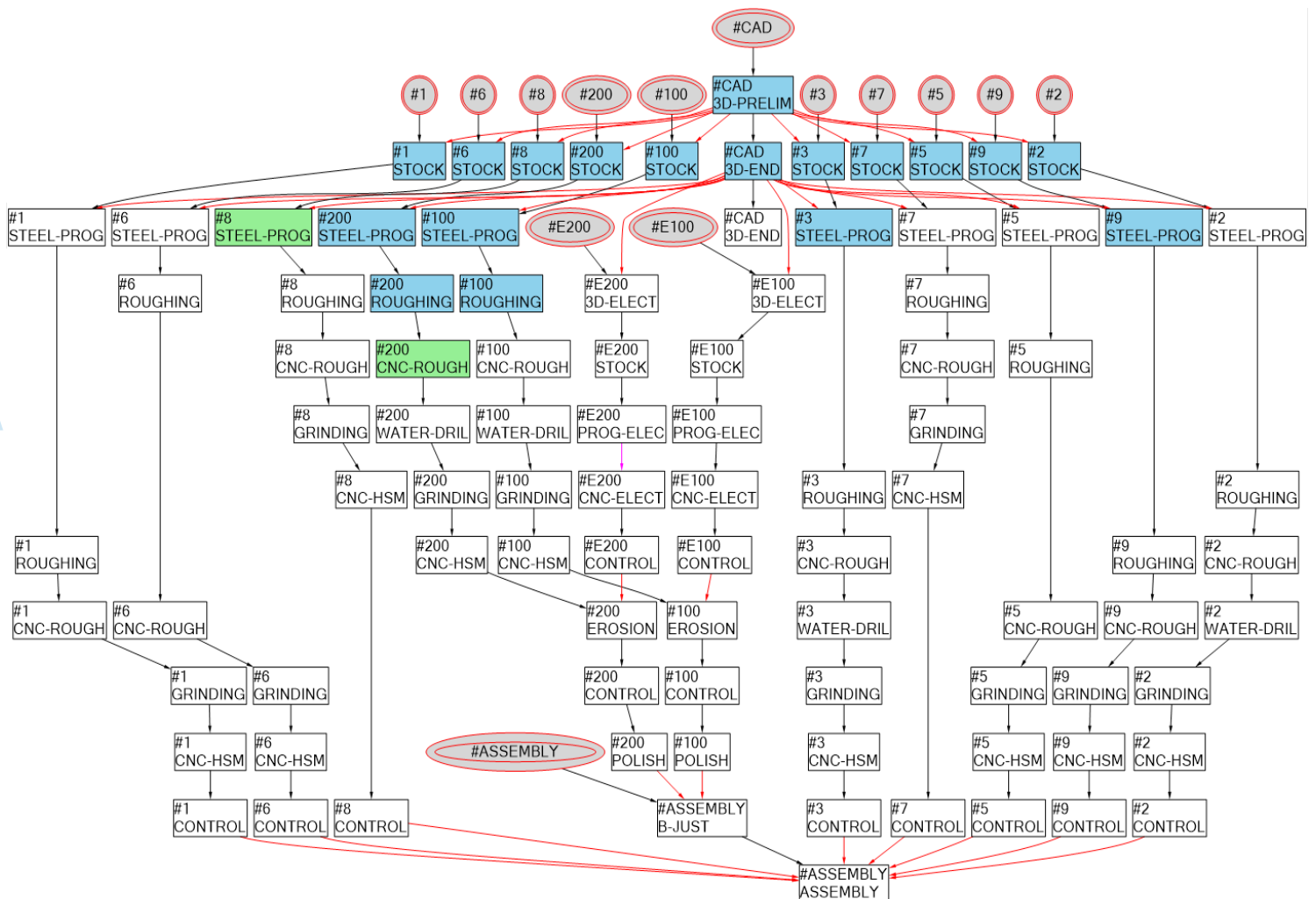
Stay on schedule

The software OrganiMold calculates automatically the priority of Jobs/Molds in order to stay on schedule, but allows the manual override of priorities.

When staying on schedule is just not possible, the software can identify which parts and operations are causing the most delay and deliver solutions by simulating sub-contracts or overtime.

From start to finish

Visualize every single operation and part with complete diagrams





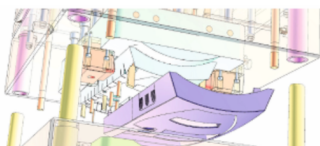
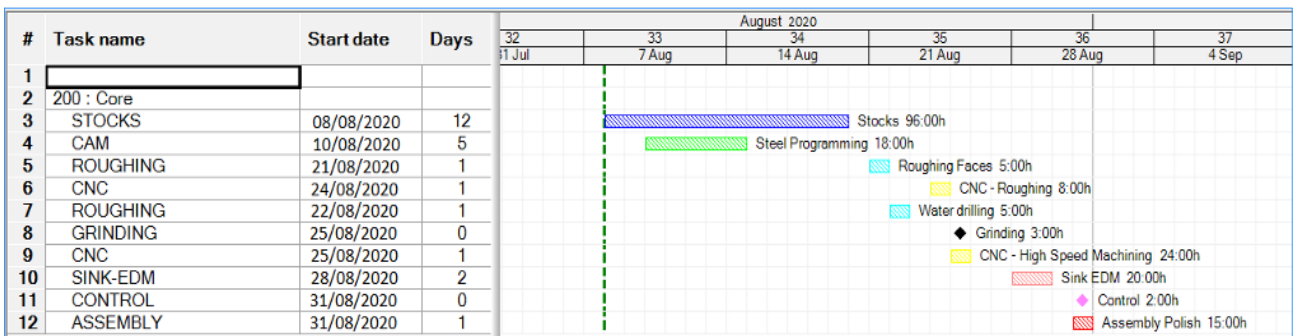
General Planning

Weekly planning

The screenshot displays a 'Weekly Planning' window with a Gantt chart at the top and a control panel below. The Gantt chart shows resource loading for various departments (CAD, CAM, ROUGHING, CNC, etc.) across weeks from January to March. A blue callout bubble on the right states: 'Quote simulation even without a definite Bill of Materials'. A blue callout bubble on the left states: 'Color code shows machine loading by department'. The control panel includes buttons for 'Simulate Planning', 'Apply Colors', 'Cancel Simulation', and 'Force Calc. Weekly Plan.', along with a 'Molds' table.

Mold/Part	Hours	Est.Ini.Date
PM3132 / PROJECT	39.46	2021-12-23 0
PM3111 / E100	3.52	2021-12-23 1
PM3117 / E200	4.54	2021-12-23 1
PM3117 / E100	4.09	2021-12-23 1
PM3113 / E100	6.83	2022-01-03 1
PM3136 / PROJECT	39.46	2022-01-03 1
PM3113 / E200	1	2022-01-03 1

Part operations





Shop Floor Terminal

Shop Floor Terminal : Organimold SQLnet_v8.51h

quinta-feira 23 de dezembro de 2021 (sem. 51)

CNC 12:45

Job/Mold	Part	Operation	Description	Machine	Operator	Estimate Time	Real Time	Est. Start Date	Plan/Day	Plan/Notes	Classif.	Last Operator
PM3111	3	CNC-HSM	CNC - HSM Mill	CNC1		4.4	1.5	23 dez 11:15	99			DANIELA
M0001	100	CNC-ROUGH	CNC - Roughing	CNC3	MJ	7.0	1.1	23 dez 11:39	99			MJ
PM3111	100	CNC-HSM	CNC - HSM Mill	CNC1		0.5	1.5	23 dez 11:15	98			DANIELA
PM3111	200	CNC-HSM	CNC - HSM Mill	CNC1		2.9	1.5	23 dez 11:15	97			DANIELA
PM3133	E200	CNC-ELECT	Electrodes Milling	CNC2-HURCO	DANIELA	9.6	1.5	23 dez 11:15	0			DANIELA
PM3106	E200	CNC-ELECT	Electrodes Milling	CNC7	JM	2.0	1.5	23 dez 11:16	0			JM
PM3108	200	CNC-ROUGH	CNC - Roughing	CNC3	FR	1.8	0.3	03 jan 15:18	96			FR

Processing status is color coded for quick evaluation of the current situation in the Shop Floor.

Ability to create small unplanned operations

Filter operations by Job/Mold, part or operator

Terminal Zoom

Job/Mold: M0001 Plastic Parts
 Part: 100 CAVITY
 Operation: CNC-ROUGH CNC - Roughing
 Department: CNC CNC
 Machine: CNC3 CNC3 - Roughing and Drilling
 Classification: [dropdown]

Estimated Time: 3
 Real time: 24.6
 1st Operator: FR
 Latest Operator: FR

List of Parts Operations
 Notes AutoControl
 Part deadline: 2017-08-22
 Date Last Start: 2017-06-27 12:11

CNC - Roughing

Running
 Operator: FR
 Password: [input]
 Pause Conclude
 State: [dropdown]
 Confirm
 Stay logged in

Attachments: 0

Start and finish operations

Conclude Operation

Job/Mold: M0001 Department: CNC Machine: CNC3
 Part: 100 Operation: CNC-ROUGH Operator: FR

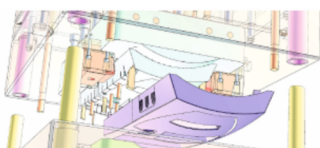
Mold	Part	Operation	Description	Machine	Operator	Date Last Start
M0001	100	CNC-ROUGH	CNC - Roughing	CNC3	FR	27/08/2017 12:11:09

Total Parts / Lot: 1
 Nr Parts Mach. Prev: 0
 Nr Parts Executed: 0
 N.P. Rejected: [input]

Notes Auto Control
 Auto Control: OK? Yes No

Time: [input]

Cancel Conclude ? Confirm





Shop Floor Planning

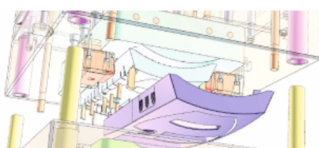
Control priorities

The Shop Floor Planning allows the Head of Department to define the priorities for the day, send processing orders and correct expected times of conclusion.

The planning will be re-calculated according to those changes.

The screenshot displays the 'Shop Floor Planning : OrganiMold SQL.net_v8.10' application. The main window shows a table of operations with columns for Job/Mold, Part, Operation, Description, Machine, Operator, T.Pred., T.Real, and Classif. A blue callout bubble points to the table with the text: 'Graph with all operations in the department'. Below the table, a blue callout bubble states: 'The head of department can adjust the automatic planning and edit annotations for the operator'. A secondary window titled 'Daily Planning' is open, showing a detailed view for 'CNC1 - HSM / electrodes copper'. This window includes a 'Machine Chart' and an 'Operations Chart' section, with a table listing operations for Job/Mold PM3068, PM3133, and PM3105. The table in the 'Daily Planning' window has the following data:

Job/Mold	Part Description	Part	Operation	Operator	Description	Estimated Time	Real Time	Classif.
PM3068	CAVITY	100	CNC-ROUGH	FR	CNC - Roughing	5.4	0.0	
PM3133	Electrodes CAVITY	E100	CNC-ELECT	FR	Electrodes Milling	5.1	0.0	
PM3105	Electrodes part 100	E100	CNC-ELECT	MJ	Electrodes Milling	1.7	0.0	





Jobs/Molds

Create New Job/Mold

The screenshot shows the Organimold SQLnet v8.10c interface. The main window is titled 'M0001: Plastic Part' and contains several sections:

- Job/Mold:** Designation 'Plastic Part', Status 'A', Sort 'A', Prefix, and Customer.
- Customer:** 'GRANDESFT', 'Grandsoft, Ltd', PDF, and Datasheet buttons.
- Deadline:** '2020-12-02', 'Initial/Contract Date: 2020-07-01', 'Initial Date Planning: 2020-07-13', 'Indexed Deadline: M0004', and 'Extra days for assembly: 3'.
- Customer Mold Nr.:** '2020-115', 'Deadline 1st Samples: 2020-11-16', 'Initial Man. (1st op.): 2019-12-17'.
- Customer Req/Order Nr.:** '053378', 'Deadline for Shipping: 2020-11-30', 'Man. End (Last op.): 2020-09-10'.
- Project (molds group):** 'M0004', 'Order Date: 2020-07-01', 'Man. Phase: 0'.
- Associate with the Mold:** 'M0004', 'Preliminary Proj. Date: 2020-07-16'.
- Designers:** 'Donald', 'Cutting Steel Date: 2020-10-30'.
- Developers:** 'John', 'Waybill Date: 2020-11-30'.

 A secondary window shows mold specifications:

- Manufacturer:** 'GRANDESFT', 'Final Customer: GRANDESFT'.
- Mold Type:** 'T-EXIT', 'Industry Type: ELECTRONIC'.
- Max. Part Dim (positioned in the mold):** Length 185.00, Width 115.00, Height 40.00, Thickness 5.00.
- Provided by the Customer:** 2D Part, 3D Part, Raw material, Inj. system, Texture, Other C.
- Engraving:** Part No., Cav. No., Date, Recording, Customer Logo.
- Table:**

Top/Part	Material	Heat Treatment	Hardness	Fin. Surface	Qty
Cavity	1.2711	TEMPERING	c 225	POLISH	1
Cavity Plate					1
Cone	1.2711	TEMPERING	c 225		1
Cavity Plate					1
Electrodes	COPPER				2
					0
					0
					0
					0

 A third window shows a 3D model of a green plastic part with a 'G' logo and 'Exit' button.

Bill of Materials

The screenshot shows the Organimold SQLnet v8.10c interface displaying the 'Bill of Materials' for 'M0001: Plastic Part'. The table lists various components with their respective quantities and statuses.

Part	Description	State	Status	Notes	Quant.	Qty. Received	Reference	Standard	Material	Heat Treat.	Hardness	Comments	Manufacturing Part	Req Stocks	Des. Stock
2	CAVITY PLATE				1	0	448X296X76		1.1730						
200	CORE				1	0	240X140.003X63.931	STD?	1.2311						
23	EJECTOR PLATE PIN				4	0	203X618X115	HASCO							
29	EJECTOR PLATE BUSHING				4	0	219X218	HASCO							
3	CORE PLATE	RECEIVED			1	0	448X296X36		1.1730						
32	LOCATING RING	REQUEST			1	0	*	STD							
33	SPRUE BUSHING	REQUEST			1	0	*	STD							
5	SPACER BLOCK	RECEIVED			1	0	448X43X98		1.1730						
6	SPACER BLOCK	RECEIVED			1	0	448X43X98		1.1730						
7	EJECTOR PIN PLATE	RECEIVED			1	0	448X208X17		1.1730						
8	EJECTOR PIN RETAINER PLATE	REQUEST			1	0	448X208X22		1.1730						
	BOTTOM CLAMPING PLATE	RECEIVED			1	0	448X346X36		1.1730						
	EJECTOR PIN	RECEIVED			2	0	240X4X160	HASCO							
	EJECTOR PIN	RECEIVED			2	0	240X6X160	HASCO							
	EJECTOR PIN	RECEIVED			2	0	240X6X200	HASCO							
	EJECTOR PIN	STOCK			4	0	MBX35	STD							
	EJECTOR PIN	STOCK			6	0	M10X45	STD							
	EJECTOR PIN	STOCK			4	0	M12X45	STD							
	EJECTOR PIN	STOCK			4	0	MBX35	STD							
	EJECTOR PIN	STOCK			2	0	MBX16	STD							
	EJECTOR PIN	STOCK			4	0	MBX25	STD							
	EJECTOR PIN	REQUEST			4	0	M12X140	STD							

Compare with previous BOM and automatic revision

Bills of Materials can be imported from CAD software or from .xls files





Quotes

The budget is calculated using a virtual list of materials as source. The manufacturing simulation calculates the costs of workforce, machine operation and the cost of the materials used.

The software calculates the time/costs for each department. These values can be modified manually.

Organimold SQLnet_v8.10 Friday 2 September 2020

0003001

Part	Qty	Part description	Material	H. Treatment
100	1	Cavity	1.2311	
100A	10	Cavity Insert	1.2311	
2	1	Cavity Plate	1.1730	
200	1	Core	1.2311	
E100	30	Electrodes part 100	GRAFIT	

Times and costs per department

Department Code	Time (Hr)	Cost (Lab+Mach)	Notes
CAD	45	550,00	
CAM	137	1760,00	
ROUGHING	96	1807,00	
GRINDING	288	8064,00	
CNC	417	13 262,00	
SINK-EDB	65	1 525,00	
(LAB + MACH)	102	3 461,00	
ASSEMBLY	100	2 436,00	
HEAT_TREAT	1301	34 198,00	
CONTROL	51	1 333,00	Total
(MAT)	0	8 295,00	Total
(SERV)	0	4 410,00	Total
(SUBC)	0	2 000,00	Total
(IND)	0	0	

Quote Summary:

Labor+ Machines	14 551,00	58%
Materials	6 648,00	26%
Services	3 010,00	12%
SubContracts	1 000,00	4%
Indirect	21,00	0%
Quote Man. Cost(B)	25 230,00	
Profit Margin%	0,00	
Customer Quote (A)	30 000,00	Calc.
Currency		
Exchange/Currency	0,00	
Quote C (Customer Currency)	30 000,00	Calc.

Est. Cost Detailed Quote: Total Quote Parts 0,00

Buttons: Update, Simulate Manufacturing, Calculate Costs, Est. Cost Detailed Quote, Send Quote to Customer

Part: Length, Width, Height

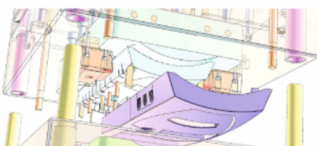
Advanced Search

Search

TypePart	Material	HeatTreat	Hardness	SurfFinish	Quant	Length	Width	Hei
Cavity	1.2311		54 HRC	POLISH	1	200	150	150
Core	1.2311		54 HRC	POLISH	1	200	150	150
Core Plate	1.1730				1	0	0	0
Cavity Plate	1.1730				1	0	0	0
Sliders	1.2344				2	0	0	0
Inserts	1.2311				10	30	30	30
Moldbase	1.1730				0	0	0	0
Electrodes					0	50	50	50

JobMold: Import List

Exit





Quotes

Generate automatically translated reports

After filling in all of the specific information for the client, the software can generate an automatic translation of the report to the Client's language.

Customer Quotes

Quote: 0003001
Req. Nr./Customer Request: 01233
Reply Date: 2020-08-10
From (O Employee): Manuel
Customer: GSOFIT Customers Tab.
Who Asked Quote (Cust.):
Notes:

Part Designation:
Customer Quote (C): 0.00 Currency: €
Payment Cond.: 1/3 Order; 1/3 Samples; 1/3 Delivery Sale Cond.:
Incoterm:
Deadline Date/Weeks: 2020-12-31 Nr. Weeks: Deadline Units:
Report header:
Footer Report:

Do Not Import Data from Datasheet

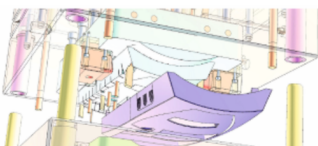
Mold Type: I-EXT
Cav. Num.: 1
Mold Dim.: 1000x650x462 Mold Weight: 2 200.00
Standard Accessories: HASCO
Injection Type: Hot
Ejection Type: Ejectors
Movements Type: Mechanical
Coolant Type: Cavity / Core

Provided by the Customer
 2D Article
 3D Article
 Raw material
Others:
Engraving:
 Part Nr.
 Cav. Nr.
 Date

Part Type	Material	Heat Treatment	Hardness
Cores	1.2311		
Cavities	1.2311		
Core Plate	1.1730		

Refresh Open Search 8 / 70 PDF Language: pt Type:

Especificacoes	
Tipo Peca	Material
Buchas	1.2311
Cavidades	1.2311
Chapa Buchas	1.1730
Chapa Cavidades	1.1730
Elem. Moveis	1.2344
Balances	1.2344
Postigos	1.2311
Estrutura	1.1730
Electrodos	GRAFITE
Acessorios	DME
Refrigeracao	Cavidade / Bucha
Injeccao	Carburador
Extracao	Ejector Pins Cyl.
Movimentos	Mecânicos
Mat Injectar	BSPT
Contracao	
Maquina Injeccao	Negri Bossi VSE 180





Analyze Costs

Costs/Stocks
— □ ×

Analyze Costs

Accumulated Total

Accounting (Between Dates)

Construction Contracts Map

Export XLS / CSV

Detailed Information 1 Mold

Departments

Operations

Time Operators/Machines

CRM - Customers

Reports/Statistics

Import Quotes for Job/Mold XLS

Import XLS Customer Invoices

Import Time Without Terminals

Import Bill of materials for Costs

Import XLS In/Out

Materials / Stocks

Input of Mat./Serv.

Stocks table

Search Stocks

Info. Wages Processing

Stocks/Tools

Material History

Service History

Stocks History

Job/Mold Costs by Department in the period 2000-01-01 - 2021-12-07

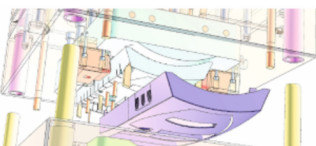
Job/Mold:	001502	ACESSÓRIO TELEMÓVEL					
Department	Lab.T. (Hr)	Lab. Cost	Mach.T. (Hr)	Mach.Cost	Indirect		TOTAL
ASSEMBLY	8:36	78,75	8:36	126,13	20,49		225,37
CAD	25:43	315,34	25:43	0,00	0,00		315,34
CAM	31:25	475,30	31:55	15,02	47,53		537,85
CNC	104:15	1 597,15	160:47	3 440,11	503,73		5 540,98
GRINDING	0:01	0,25	0:01	0,20	0,04		0,49
MAN-MILL	0:00	0,04	0:00	0,02	0,01		0,07
Q/INTRVL	0:39	7,06	0:39	10,47	0,00		17,52
ROUGHING	26:00	176,38					
SINK-EDM	0:00	0,04					
TOTAL	196:42	2 650,30					

Cost of Jobs / Molds (accumulated total)

Grandesoft

Job/Mold	Labor	Machines	Indirects	Materials	Services	SubCont.	Total Costs	Quote	Deviation	%Dev	Labor Time	Mach. Time	%Conc
001501 *	7 393,58	5 427,06	1 138,85	18 050,00	1 510,00	800,00	34 319,50	58 600,00	24 280,50	41%	378:47	426:10	100%
001502 *	2 650,30	3 930,11	623,25	4 589,36	0,00	0,00	11 793,01	25 000,00	13 206,99	53%	196:42	253:44	100%
001503 *	5 453,86	3 733,19	852,48	180,00	0,00	0,00	10 219,54	28 000,00	17 780,46	64%	242:26	257:01	100%
001504 *	1 046,66	1 537,45	241,63	2 621,85	0,00	0,00	5 447,59	28 000,00	22 552,41	81%	68:07	92:58	100%
001505 *	9 340,26	8 730,77	1 768,88	0,00	0,00	3 266,70	23 106,61	60 000,00	36 893,39	61%	430:51	535:25	100%
001506 *	6 681,20	4 808,61	1 112,01	2 149,66	0,00	40,00	14 791,48	28 000,00	13 208,52	47%	379:05	382:30	100%
001507 *	28 097,15	19 015,82	4 216,49	0,00	0,00	0,00	51 329,46	28 000,00	-23 329,46	-83%	1 090:44	1 178:18	100%
001508 *	9 946,14	6 782,02	1 654,49	456,00	0,00	100,00	18 938,66	25 000,00	6 061,34	24%	421:58	423:40	100%
001509 *	292,97	249,54	54,04	3,77	0,00	0,00	600,32	30 000,00	29 399,68	98%	23:11	23:13	100%
001510 *	3 991,19	218,60	42,36	0,00	0,00	0,00	4 252,15	28 000,00	23 747,85	85%	177:31	178:50	100%
001511 *	178,74	166,88	34,55	0,00	0,00	0,00	380,17	22 000,00	21 619,83	98%	11:30	13:33	100%
TOTAL	75 072,05	54 600,05	11 739,03	28 050,64	1 510,00	4 206,70	175 178,49	360 600,00	185 421,51	51%	3 420:52	3 765:22	

Job/Mold:	001504	BUTÃO AUTOMÁTICO					
Department	Lab.T. (Hr)	Lab. Cost	Mach.T. (Hr)	Mach.Cost	Indirect		TOTAL
ASSEMBLY	3:35	38,74	3:35	53,83	9,26		101,83
CAD	10:42	147,18	10:42	0,00	0,00		147,18
CAM	1:24	13,62	2:24	20,61	1,36		35,58





Time Clock and Salary Processing

Processing Wages

Operator: DT Month: 7 Year: 2016

Department: Donnal

Start Date: 01/07/2016 End Date: 31/07/2016

Full Days: 18 Total Time: 201.2

Incomplete Days: 0 T.T.Extra:

Weekend days: 5 T.T.Miss Unpaid:

Alert Color -/+ : 0:30 1:00 T.T.Miss Paid:

Hourly Deviation -/+ : 4:00 8:00 T.T.Holidays:

Operator	Name Operator	Date	Tot. Tti	+	Dif.	Justification Cod.	Overti	T. Miss Unpai	T. Miss Paid	H. Holida	Sav	Overtime 1st 75%	Overtime 2nd 50%	Overtime 3rd 100%	In 1	Out 1	In 2	Out 2	I. 3
DT	Donnal	07-Jul Thu	10.04		02.04		2					1	+ 1	+ 0	08:00 E/OK(07:52)	13:00 S/OK(13:00)	14:00 E/OK(13:55)	19:04 S(19:04)	
DT	Donnal	08-Jul Fri	09.34		01.34		1.5					1	+ 0.5	+ 0	08:00 E/OK(07:56)	13:00 S/OK(13:00)	14:00 E/OK(13:57)	18:34 S(18:34)	
DT	Donnal	09-Jul Sat	05.00		05.00		5					0	+ 0	+ 5	08:00 E/OK(07:45)	13:00 S/OK(13:03)			
DT	Donnal	10-Jul Sun																	
DT	Donnal	11-Jul Mon	10.04		02.04		2					1	+ 1	+ 0	08:00 E/OK(07:57)	13:00 S/OK(13:00)	14:00 E/OK(13:56)	19:04 S(19:04)	
DT	Donnal	12-Jul Tue	08.00												08:00 E/OK(07:57)	13:00 S/OK(13:00)	14:00 E/OK(13:56)	17:00 S/OK(17:03)	
DT	Donnal	13-Jul Wed								8									
DT	Donnal	14-Jul Thu	08.00												08:00 E/OK(07:55)	13:00 S/OK(13:00)	14:00 E/OK(13:57)	17:00 S/OK(17:03)	
DT	Donnal	15-Jul Fri					2					1	+ 1	+ 0	08:00 E/OK(07:54)	13:00 S/OK(13:00)	14:00 E/OK(13:57)	19:02 S(19:02)	
DT	Donnal	16-Jul Sat					5					0	+ 0	+ 5	08:00 E/OK(07:47)	13:00 S/OK(13:03)			
DT	Donnal	17-Jul Sun																	
DT	Donnal	18-Jul Mon					2					1	+ 1	+ 0	08:00 E/OK(07:52)	13:00 S/OK(13:00)	14:00 E/OK(13:57)	19:03 S(19:03)	
DT	Donnal	19-Jul Tue					2					1	+ 1	+ 0	08:00 E/OK(07:52)	13:00 S/OK(13:00)	14:00 E/OK(13:57)	19:05 S(19:05)	
DT	Donnal	20-Jul Wed					2					1	+ 1	+ 0	08:00 E/OK(07:54)	13:00 S/OK(13:00)	14:00 E/OK(13:57)	19:02 S(19:02)	
DT	Donnal	21-Jul Thu					5												
DT	Donnal	22-Jul Fri																	
DT	Donnal	23-Jul Sat																	
DT	Donnal	24-Jul Sun																	
DT	Donnal	25-Jul Mon																	
DT	Donnal	26-Jul Tue																	

Color coded for easier tracking

OrganiMold SQL.net_v7.24q

Time Clock

Tuesday 27 June 2017 (sem. 26)

15:01

Login

Operator: DT

Password: *

Donnal

Timetable: NORMAL

08:00 13:00 14:00 17:00

In

Out

Extra Hr.

Cancel Confirm

Analyze Time Clock

Messages

Analyze Data Terminals

Send a Message to Salary processing

Code Justification

Donnal Last 'Entry' : 2017

Annotations for salary processing

Clock-out

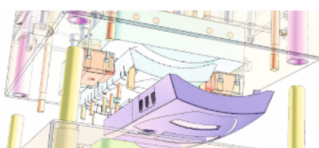
Operations initiated by the operator are automatically interrupted when the operator leaves the factory.

In Manual Machines, operations stay paused until next clock-in.

In Automatic Machines, the operations can keep going without an operator.

Clock-in

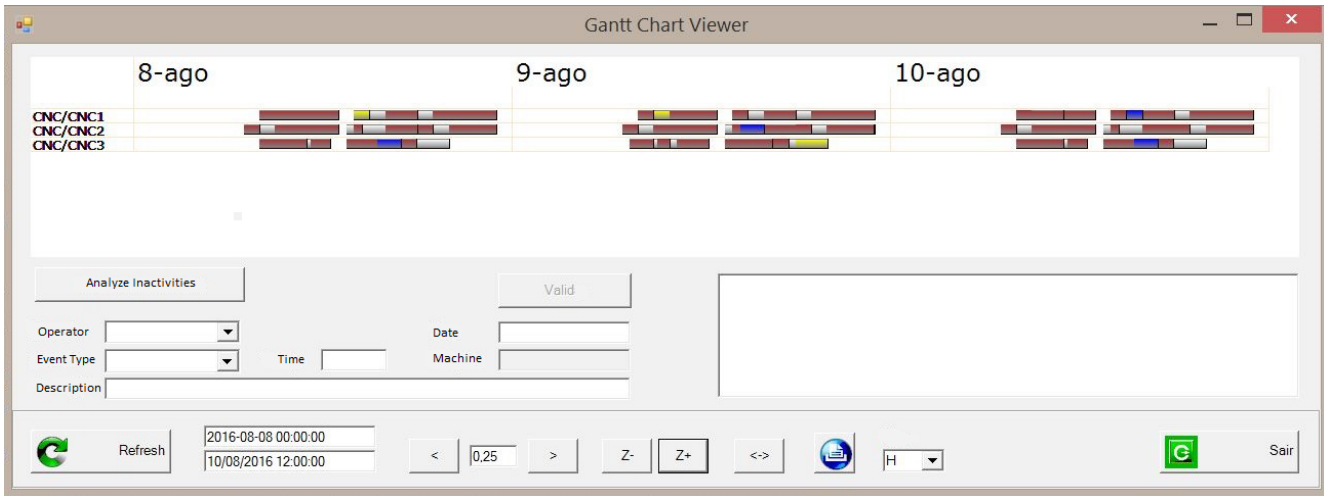
After lunchtime (or any other pause) while still in the operator's shift, by clocking-in, operations that were automatically interrupted before can be automatically re-started (depending on the company's preference).



Analysis of Machine Productivity

Machine productivity graph

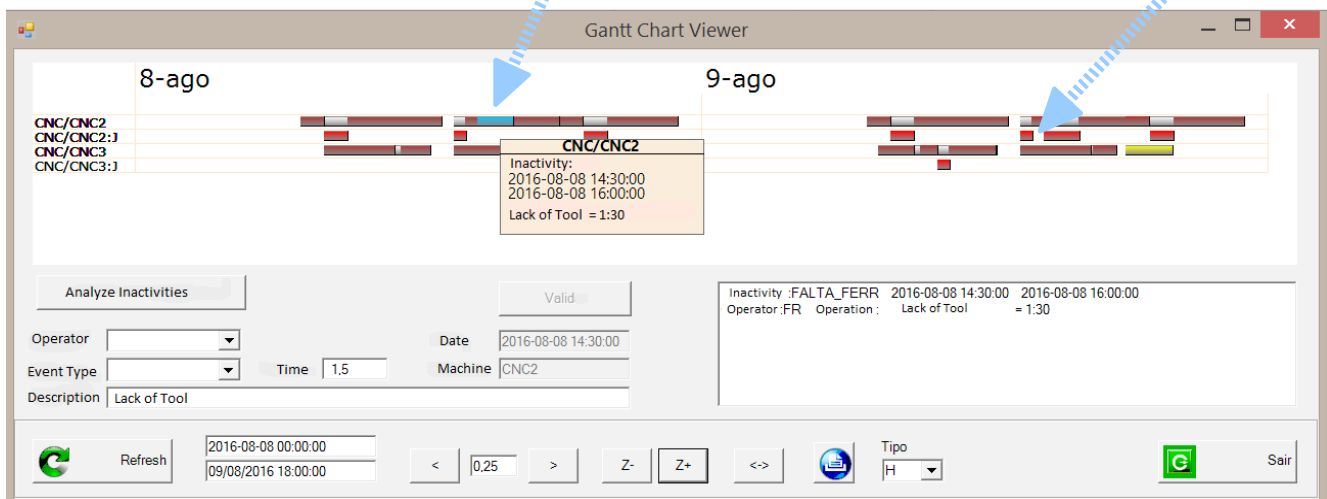
Includes the machine timetable, operations done with an operator, operations done without an operator and inactivity.



Machine inactivity

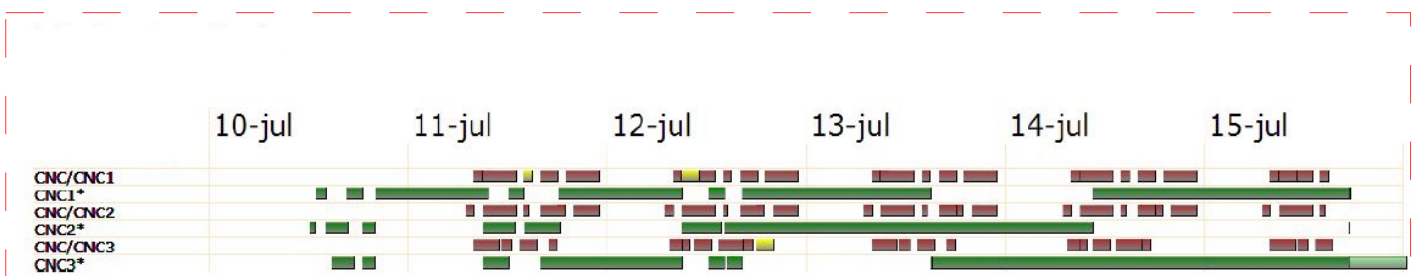
Justified inactivity

Inactivity yet to justify



Interface for analysis and justification of machine inactivity:

- Clicking on the red bar allows the creation of a justification automatically





Requests

Make requests and quote demands using the Bill of Materials

Requests: Parts List

Pag1 | Pag2

Document / Req. Type: RE

Operator: []

Add to existing Req.

Doc/Req.: []

Material or Service: M

Description Options: DSRM

Additional Material from the Bill of Mat.

New / Add

Consult

Internal Request (Stocks)

Subcontracts

Moving Stocks

Parts List

Job/Mold: M0001 F State filter See max. 1000 records

Bill of Materials (Purchase) Bill of materials (Parts to Manufacture) Parts in Manufacturing

Exclude parts already ordered ('Status' in the Mat List) Exclude Man parts w/ weight = 0

Exclude parts already ordered ('Stocks Req' in the Bill of Mat)

Sel. only parts with Qty. Received < Qty. from the Bill of materials and ordering only missing quantity

Stocks Read Price

Description with tab

Parts List Add to List

1; 100; 2; 200; 3; 5;

Requests

Pag1 | Pag2

Doc Type: RE R000297 New Duplicate Certified Guide

Join Parts w/ Equal Ref Explode Group Man. parts

LOAD UNLOAD

Date: 2020-09-08 Date: 2020-09-09

Hour: 17:13 Record Date: 2020-09-08 17:13:07

Vehicle: [] Date Print: []

Operation: [] Operator: BE

Delivery Time: []

Notes to Print

Mat/Serv: M add. line: T

	Job/Mold	Part	Qty	Description	Length/Weight Un	Units	Un Price	% Disc.	Delivery Time	Classification	Sto
<input type="checkbox"/>	M0001	1	1	TOP CLAMPING PLATE 446X346X36 1.1730		0 Un					

Analyze Requests

Pag1 | Pag2

Document Type: O Job/Mold: M Operator Requested: [] Initial Date: 2021-12-07 G

Doc/Request: [] Part: [] Operator Received: 2021-12-07

Received: [] Description: [] Supplier/Waybill: [] Missing Send to Costs

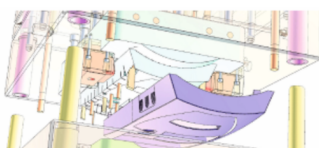
Customers Stock Code: [] Certificate: [] Only Electrodes

Supplier: [] Mat/Serv: [] Physical Stock: Cut/Removed [] With Job/Mold only

Request	Supplier	Job/Mold	Part	Qty	Qty.Rece	Description	Cl	Status	Length/Weig/ Un	Units	Unit Price	% Dst
R000468	FMAT	PM3082	E1	2	2	EJECTOR PIN HASCO Z404X160		RECEIVED				
R000468	FMAT	PM3082	E2	2	2	EJECTOR PIN HASCO Z406X160		RECEIVED				
R000468	FMAT	PM3082	E3	2	2	EJECTOR PIN HASCO Z406X200		RECEIVED				
R000468	FMAT	PM3082	P1-2	4	4	SCREW CYL STD M12X45		RECEIVED				
R000468	FMAT	PM3082	P100	4	0	SCREW CYL STD M8X35		REQUEST				
R000468	FMAT	PM3082	P12	6	0	SCREW CYL STD M10X45		REQUEST				
R000468	FMAT	PM3082	P200	4	0	SCREW CYL STD M8X35		REQUEST				
R000468	FMAT	PM3082	P32-1	2	0	SCREW CYL STD M6X16		REQUEST				
R000468	FMAT	PM3082	P8-7	4	0	SCREW CYL STD M8X25		REQUEST				
R000468	FMAT	PM3082	P9-3	4	0	SCREW CYL STD M12X140		REQUEST				
R000468	FMAT	PM3082	P9-5	4	0	SCREW CYL STD M12X45		REQUEST				
R000468	FMAT	PM3082	PR1	4	0	RETURN PIN HASCO Z4012X160		REQUEST				
R000468	FMAT	PM3082	SP	4	0	STOP PIN STD 4.5		REQUEST				
R000468	FMAT	PM3082	W1	8	0	PIPE PLUG STD M12X1.5		REQUEST				

Missing Parts (today + N days): 1

Refresh max 1000 165 Open HT In. Req. Notes Type Rec. Date Supplier Waybill Exit





Stocks and Tool Management

Stocks / Internal Requests STOCK-FISICO

Stocks Req Physical Stock / Cut Blocks Check Stocks Quick Cut Cut Material

Only Blocks/Bars Job/Mold [M] Part []

Cut / Removed [N] Initiate Deadline [2020-01-01] Description []

Deadline [2021-12-27] Stock Code []

Only Electrodes Selecting Stock Code show add. info. for Cut the Material

MANAGE PHYSICAL STOCK
- Cut Blocks / Bars
- Confirm Stock Material Output
- Validate Cut Dim. (Remaining Material)

Cut / Remove	Stock Code	Job/Mold	Part	Reserved Qty	Cut / Removed Qty	Description	Length/Weight Un.	Units	Delivery Time	Operator	Mat. Cut Date	Classification	Request
<input type="checkbox"/>	MAT-1.1730	TESTE2	2	1	1	CAVITY PLATE 446X296X76 1.1730	78.861	Kg	10/02/2021 11:...				000279
<input type="checkbox"/>	MAT-1.2311	TESTE2	200	1	1	CORE STD? 240X140.003X63 931 1.2311	16.884	Kg	10/02/2021 11:...				000279
<input type="checkbox"/>	MAT-1.1730	TESTE2	3	1	1	CORE PLATE 446X296X86 1.1730	89.238	Kg	10/02/2021 11:...				000279
<input type="checkbox"/>	MAT-1.1730	TESTE2	5	1	1	SPACER BLOCK 446X43X96 1.1730	14.471	Kg	10/02/2021 11:...				000279
<input type="checkbox"/>	MAT-1.1730	TESTE2	6	1	1	SPACER BLOCK 446X43X96 1.1730	14.471	Kg	10/02/2021 11:...				000279
<input type="checkbox"/>	MAT-1.1730	TESTE2	7	1	1	EJECTOR PIN PLATE 446X208X17 1.1730	12.396	Kg	10/02/2021 11:...				000279
<input type="checkbox"/>	MAT-1.1730	TESTE2	8	1	1	EJECTOR PIN RETAINER PLATE 446X208X22 1.1...	16.041	Kg	10/02/2021 11:...				000279
<input type="checkbox"/>	MAT-1.1730	PM3089	1	1	1	TOP CLAMPING PLATE 446X346X36 1.1730	43.685	Kg	23/02/2021 15:...				000284
<input type="checkbox"/>	MAT-1.2311	PM3089	100	1	1	CAVITY STD? 240X140.003X70.409 1.2311	18.595	Kg	23/02/2021 15:...				000284
<input type="checkbox"/>	MAT-1.1730	PM3089	2	1	1	CAVITY PLATE 446X296X76 1.1730	78.861	Kg	23/02/2021 15:...				000284
<input type="checkbox"/>	MAT-1.2311	PM3089	200	1	1	CORE STD? 240X140.003X63 931 1.2311	16.884	Kg	23/02/2021 15:...				000284
<input type="checkbox"/>	MAT-1.1730	PM3089	3	1	1	CORE PLATE 446X296X86 1.1730	89.238	Kg	23/02/2021 15:...				000284
<input type="checkbox"/>	MAT-1.1730	PM3089	5	1	1	SPACER BLOCK 446X43X96 1.1730	14.471	Kg	23/02/2021 15:...				000284
<input type="checkbox"/>	MAT-1.1730	PM3089	6	1	1	SPACER BLOCK 446X43X96 1.1730	14.471	Kg	23/02/2021 15:...				000284
<input type="checkbox"/>	MAT-1.1730	PM3089	7	1	1	EJECTOR PIN PLATE 446X208X17 1.1730	12.396	Kg	23/02/2021 15:...				000284
<input type="checkbox"/>	MAT-1.1730+0029.0020	TESTE2	8	1	1	EJECTOR PIN RETAINER PLATE 446X208X22 1.1...	16.041	Kg	23/02/2021 15:...				000284
<input type="checkbox"/>	MAT-1.2311	TESTE1	100										

Select Stocks / Tools

Family Subfamily >= Length Width/D Heig Material Search Description Supplier Search Stock E.I.

Family	Subfamily	Stock Code	NMo	Qty. to Ret	Total Qty	SA Qty	Recent Rec.	Unit	Description	Unit price	Material	Ini.Est.Mat.	Length	Width/Diam	Height
TOOLS	FRESA	FRESA-D16	<input type="checkbox"/>	0	0	100	16	Un	FRESA-D16	125.00	0	0	0	0	0
TOOLS	FRESA	FRESA-D16-MD	<input checked="" type="checkbox"/>	0	0	66	0	Un	FRESA-D16-MD	100.00	0	0	0	0	0
TOOLS	FRESA	FRESA-D20	<input type="checkbox"/>	0	0	75	0	Un	FRESA-D20	130.00	0	0	0	0	0

Stock/Bar Code sel. by Req. Description Qty. Req. add. the list

StockCode	Qty	Description	Length/Weight	Un.	Job/Mold	Part	Not Move/Stocks
FRESA-D16	1.00	FRESA-D16	0	UN	PM3068	100	<input type="checkbox"/>
FRESA-D20	1.00	FRESA-D20	0	UN	PM3111	100	<input type="checkbox"/>
FRESA-D16	2.00	FRESA-D16	0	UN	PM3111	100	<input type="checkbox"/>

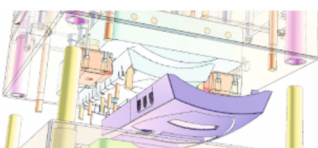
Operator Login DANIELA Request

Refresh max. 1000 3 GRCCode

Return Tools Exit

Stocks and Tools management

- Materials management of blocks and bars by size
- Automatic suggestion of bar/blocks to use, based on an optimization algorithm
- Allows also Tools Management



Machine Maintenance Alerts

Scheduling of maintenance for each machine

Notifies the operator of the maintenance scheduled for the current and previous days

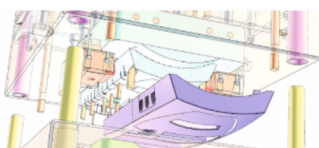
The screenshot shows the 'Terminal Department Zoom' window. It contains several input fields for machine details: Job/Mold (PM3068), Part (100), Operation (CNC-ROUGH), Department (CNC), Machine (CNC1), Classification, Setup time (0.20), Estimated Time (5.4), Real time (0), 1st Operator, and Last Operator. There are also buttons for 'Start', 'List of Parts Operations', 'AutoControl Notes', 'Part Deadline' (2022-01-11), and 'Last Initial Date'. A 'Mach. Maintenance' summary bar at the bottom shows 'Today' with a count of 1, and 'Delayed' and 'Maintenance' counts are 0. The right sidebar includes fields for Operator (FR), Password, Status, and checkboxes for 'Keep Login', 'Create new Occurrence', and 'Operator Messages'. There are also buttons for 'Create Event', 'Check List', and 'Attachments'.

The screenshot shows the 'Machine Maintenance Record' window. It features a table with the following data:

	Event Type	Machine	Description	Schedule Date	Initial Date	Time	Cost	Supplier	Risks
▶	Preventiva	CNC1	Maintenance, oil, etc	10/12/2021	10/12/2021	8,00	0,00	GSOFT	

Other fields include Department (CNC), Operator, Resolved (0), Dates (A), Initial Date, Final Date, and a 'New Record' button.

Scheduling at 'X' day intervals: next maintenance is scheduled after being marked as 'solved'



CRM

Customer Relationship Management

Allows scheduling of activities and pending subjects, logs phone calls, visits, expenses and distances (Km).

All the pending subjects are visible until they're marked as solved

The image displays three overlapping windows from a CRM application:

- CRM Window:** Shows a list of activities with columns: Resolve, T.C., Customer, Who, Date / Time, Product, Subject, O/Technician, Solution, and Notes/Pending. The table contains three rows of data.
- Contact Window:** Shows details for a contact with fields for Customer (GE), Contact type (AG), Who (Santos), O/Technician (CA), Product (Software), Date Time (13/12/2021 14:15:00), and a checkbox for Resolved. It also has fields for Subject/Problem, Solution, Time, KM, Tolls, Meals, Document, and Notes/Pending.
- Customers Window:** Shows a customer profile for 'GRANDESFT' with fields for Name, Address, Locality, Zip Code + City, Country + code (PT,ES,US), Telephone, Fax, Email, Web, VAT, Zone, Customer Type, Currency, Customer Billing Code, Payment Cond., Discount, Expedition (ex-works), Market Manager, Customer Manager, and Customer Status. It also includes a table with columns: Name, Position, Telephone, Mobile, Email, Fax, Notes.

A blue circular callout on the right side of the Customers window contains the text: "Customer table with more data, contacts and commercial information".

