

CompuTec
#InnovationMatters



LOGRES

BUSINESS SOLUTIONS

#CompuTec
PDC

Plant Data Capture

Uniting the back office and the shop floor

#CompuTec PDC

Plant Data Capture

An extension for CompuTec ProcessForce to record real manufacturing operations timings and communicate easily and effectively with the staff on the shop floor.

- ✓ Supervise your machine park
- ✓ Control your production resources
- ✓ Track production flow
- ✓ All in real-time
- ✓ All directly from your production line

KEY BENEFITS

- On-the-spot data access
- Live progress monitoring
- Multiple simultaneous worktime registrations
- Wide range of customization options
- Quick and straightforward implementation
- Full scalability for growing enterprises
- Improved data accuracy
- More precise product costing
- Reduce time spent on manual data entry and minimize paperwork
- User-friendly and intuitive
- Get the most out of CompuTec ProcessForce



SUPPORT THE MANUFACTURING PROCESS VIA PRODUCTION PANELS

A CompuTec ProcessForce application designed to connect the shop floor to the office, CompuTec PDC leverages touchscreen technology to organize and gain insights into the workflow in your production area.

- Inform employees about their assigned tasks and allow them to select unassigned tasks to undertake themselves
- Ensure that tasks are carried out with those with the appropriate skillsets and certifications and guarantee fair division of labor
- Record time spent on specific tasks and operations
- Check task and resource status
- Attach a wide range of supplementary material to each task that can be displayed on your touchscreen panels for your employees' reference
- Oversee and organize your entire machine park and its operations

BATCH NUMBER	BIN LOCATION	QUANTITY	REMAINING QUANTITY	ISSUED QUANTITY	ON OTHER PICK	SELECTED QUANTITY	ASSIGN	PRINT
2014-12-07-1664	01-01	100,000	100,000	0,000	0,000	0,000		
2014-02-04-104536	01-01	97,222	97,222	0,000	0,000	0,000		
2014-02-04-092032	01-01	100,000	100,000	0,000	0,000	0,000		
24062014001	01-01	93,000	93,000	0,000	0,000	0,000		
2014-02-04-092232	01-01	77,000	77,000	0,000	0,000	0,000		
999/001	01-01	25,000	25,000	0,000	0,000	0,000		
1000-10-1004	01-SYSTEM-BIN-LOCATION	1,000,000	1,000,000	0,000	0,000	0,000		
1000-10-1003	01-SYSTEM-BIN-LOCATION	986,800	986,800	0,000	0,000	0,000		
1000-10-1001	01-SYSTEM-BIN-LOCATION	886,000	886,000	0,000	0,000	0,000		
4314	01-01	4,000	4,000	0,000	0,000	0,000		
14141	01-01	3,000	3,000	0,000	0,000	0,000		
105	01-01	3,000	3,000	0,000	0,000	0,000		
100-000-1000	01-01	10,200	10,200	0,000	0,000	0,000		
1000-001	01-01	55,800	55,800	0,000	0,000	0,000		
1000-000011	01-01	946,350	946,350	0,000	0,000	0,000		
134141	01-01	1,000	1,000	1,000	0,000	0,000		
104	01-01	4,000	4,000	0,000	0,000	0,000		
3424	01-01	2,000	2,000	0,000	0,000	0,000		
2013-07-10-555	01-SYSTEM-BIN-LOCATION	91,000	91,000	0,000	0,000	0,000		
2013-07-10-563	01-SYSTEM-BIN-LOCATION	200,000	200,000	0,000	0,000	0,000		
2013-06-28-589	01-SYSTEM-BIN-LOCATION	1,000,000	1,000,000	0,000	0,000	0,000		

WORK TIME REGISTRATION

- Record set-up time, run-time and downtime accurately and consistently as work is completed.
- Compare planned, booked and actual times and quantities
- Numerical and graphical work time comparisons make it easier to assess performance and plan future operations
- Record time for individual employees or for teams or groups of operatives
- Provide your cost accounting team with precise, reliable data
- Control and register timings and causes of downtime

Planned	Actual	Booked	Reported Quantity
0h 0m	0h 0m	0h 7m	1,010,000 EA

DATA INPUT

Manual Data Entry

Useful for unique tasks with unique parameters and work times.

Touchscreen Production Panels

Quick and Convenient Data Entry directly from the shop floor.

Radio Frequency Identification (RFID) devices

RFID cards, fobs and watches make for simple and time-efficient logins.

GS1 barcode scanners

Reduce data entry time and remove the potential for errors.

- Logins
- Add new tasks
- Register worktime
- Issue goods to production

Industrial weight scales

Weight scales integration ensures a faster and more precise picking process and includes a weight scales wizard which facilitates picking for percentage based recipes.



QUICK TIME BOOKING

Record time bookings for multiple manufacturing orders from one panel instead of going through the laborious process of creating separate task tiles for each operation.

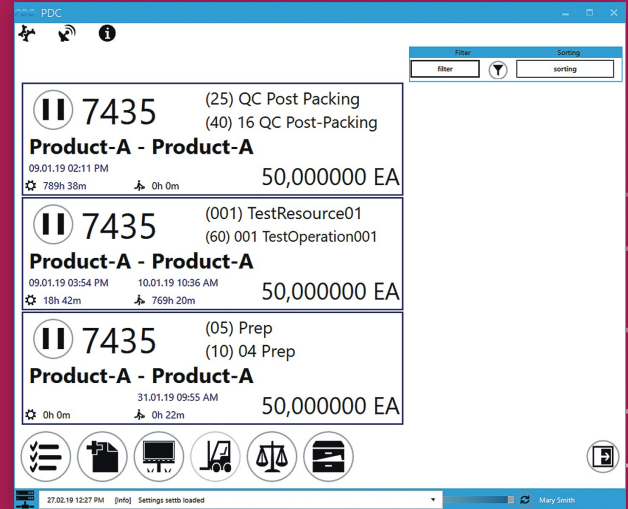
- Register queue, setup, run and stock times
- Filter tasks on a device-by-device basis so the user only sees the tasks relevant to them
- Save defined sort and filter parameters for quick and easy access next time
- Improved overall view of operations
- Less confusion and more consistency throughout your documents and operations

KEY	DOCUMENT NUMBER	DOCUMENT STATUS	MANUFACTURING REQUIRED DATE	ITEM CODE	ITEM NAME	PLANNED QUANTITY	ROUTING	OPERATION CODE	OPERATION NAME	RESOURCE CODE	RESOURCE NAME	TASK START DATE	TYPE	DURATION (M)	LINE STATUS	QUANTITY	REM.
1	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	100	Cutting	100	cutting	04/25/2018	Setup	0	Current	0.000	
1	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	100	Cutting	100	cutting	04/25/2018	Queue	10	Current	250.000	
1	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	100	Cutting	06	Labour	04/25/2018	Run	0	Current	0.000	
1	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	100	Cutting	06	Labour	04/25/2018	Setup	0	Current	0.000	
1	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	100	Cutting	06	Labour	04/25/2018	Queue	0	Current	0.000	
2	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	102	drilling	102	drilling	04/20/2018	Run	20	Current	250.000	
2	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	102	drilling	102	drilling	04/20/2018	Setup	0	Current	0.000	
2	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	102	drilling	102	drilling	04/20/2018	Queue	0	Current	0.000	
2	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	102	drilling	06	Labour	04/20/2018	Run	0	Current	0.000	
2	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	102	drilling	06	Labour	04/20/2018	Setup	30	Current	250.000	
2	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	102	drilling	06	Labour	04/20/2018	Queue	0	Current	0.000	
3	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	103	mounting	103	mounting	04/22/2018	Run	0	Current	0.000	
3	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	103	mounting	103	mounting	04/22/2018	Setup	10	Current	30.000	
3	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	103	mounting	103	mounting	04/22/2018	Queue	0	Current	0.000	
3	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	103	mounting	06	Labour	04/22/2018	Run	0	Current	0.000	
3	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	103	mounting	06	Labour	04/22/2018	Setup	50	Current	10.000	
3	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	103	mounting	06	Labour	04/22/2018	Queue	0	Current	0.000	
4	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	marking	marking		Tampon tsisk	04/25/2018	Run	0	Current	0.000	
4	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	marking	marking		Tampon tsisk	04/25/2018	Setup	0	Current	0.000	
4	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	marking	marking		Tampon tsisk	04/25/2018	Queue	0	Current	0.000	
5	18055	Started	04/29/2018	CPM0001	CPM Item TD1	58	metal routing	packaging	packaging		packaging	04/25/2018	Run	0	Current	0.000	



MANAGE PRODUCTION TASKS

- Filter, group and sort tasks so you can focus on those most relevant to you
- Prioritize urgent tasks or manufacturing orders with shorter lead times
- Supervise the status of the production orders and take real-time corrective action to maintain a streamlined production process



MANAGE RESOURCES

Users with management privileges can access a wealth of data about each individual resource and the machine park as a whole to aid them in streamlining the production process and reveal where corrective actions are needed.

- View each resource's work history, current status and upcoming scheduled tasks
- Monitor planned and booked dates
- Compare planned and reported product quantities

Task Panel

17700 (100) cutting
(10) 100 Cutting
Pipe pliers - Tool Pipe pliers
20.09.18 11:11
0h 0m 2535h 16m **35.000**

Planned	Actual	Booked	0h 12m
2h 0m	0h 0m		

Planned	Actual	Booked	4874h 27m
0h 35m	2535h 16m	Reported Quantity	95.000

Actual 0h 0m

RESOURCE PROPERTIES

PROPERTY	PROPERTY NAME	EXPRESSION	VALUE FROM	VALUE TO	UOM	WORDCODE	WORDNAME	REMARKS	CURRENT VALUE	CHECKED	CURRENTWORDCODE	CURRENTWORDNAME	CURRENTREMARKS
03	Machine Speed	Equal	12,000,000	15,000,000					13,000,000	<input checked="" type="checkbox"/>			
02	Temperature	Equal	55,000	60,000					57,000	<input checked="" type="checkbox"/>			
01	Pressure	Equal	12,000	15,000					0,000	<input type="checkbox"/>			

OPERATION PROPERTIES

PROPERTY	PROPERTY NAME	EXPRESSION	VALUE FROM	VALUE TO	UOM	WORDCODE	WORDNAME	REMARKS	CURRENT VALUE	CHECKED	CURRENTWORDCODE	CURRENTWORDNAME	CURRENTREMARKS
02	Temperature	Equal	50,000	60,000					0,000	<input type="checkbox"/>			
03	Tolerance	Equal	1,000	2,000					0,000	<input type="checkbox"/>			

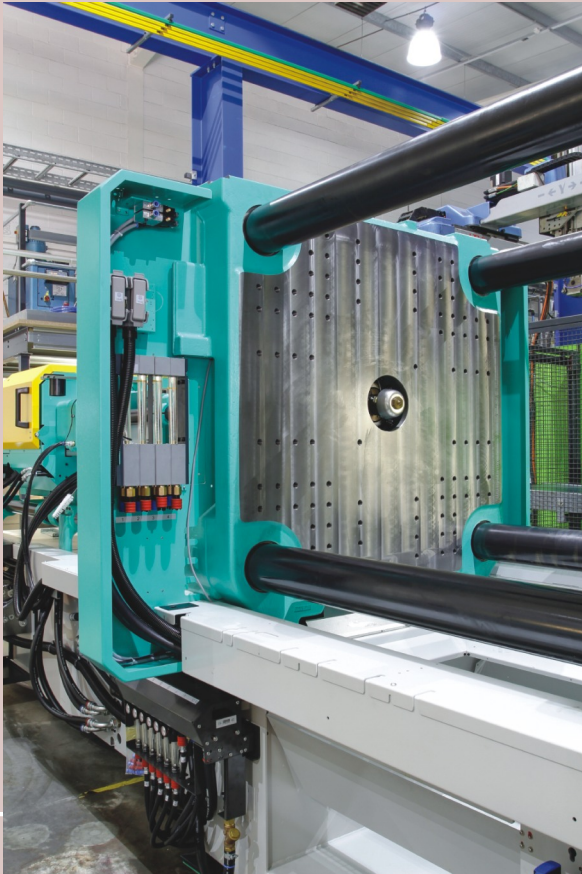
OPERATION BIND

ITEM CODE	ITEM NAME	QUANTITY	UOM	ITEM REVISION
Active-Item-01	Active-Item-01	10.500	KG	

ITEM CODE	ITEM NAME	QUANTITY	UOM	ITEM REVISION
scrap metal	scrap metal	0.120		

Details

R	Start	End	Duration (m)	Type	Completed
X	20.09.18 11:11	29.10.18 13:57	938h 46m	Run	<input checked="" type="checkbox"/>
X	29.10.18 13:57	20.11.18 12:59	527h 2m	Run	<input checked="" type="checkbox"/>
X	20.11.18 12:59	20.11.18 12:59	0h 0m	Setup	<input checked="" type="checkbox"/>
X	20.11.18 12:59	20.11.18 13:06	0h 7m	Run	<input checked="" type="checkbox"/>
X	20.11.18 13:08	28.11.18 11:43	190h 35m	Run	<input checked="" type="checkbox"/>
X	03.12.18 13:08	03.12.18 13:10	0h 2m	Run	<input checked="" type="checkbox"/>
X	11.12.18 19:28	14.12.18 10:22	62h 54m	Run	<input checked="" type="checkbox"/>
X	14.12.18 10:22	14.12.18 10:22	0h 0m	Setup	<input checked="" type="checkbox"/>
X	14.12.18 10:22	17.01.19 10:10	815h 48m	Run	<input checked="" type="checkbox"/>
X	17.01.19 10:18		0h 0m	Run	<input type="checkbox"/>



INVENTORY MANAGEMENT FROM THE FACTORY FLOOR

For enterprise-wide efficiency, a number of CompuTec ProcessForce documents can be created from your production area in CompuTec PDC. These documents will automatically be added to your company database and be immediately accessible through your SAP Business One interface ensuring data consistency for factory floor and back office alike.

INVENTORY MOVEMENT DOCUMENTS

Within CompuTec PDC your production operatives can create Pick Order and Pick Receipt documents, which are lists of inventory to be issued to and received from or to production whether it be raw materials, final goods, coproducts or scrap. You can also configure your system so that CompuTec ProcessForce will automatically create the relevant Goods Issue or Goods Receipt (along with corresponding Batch Master Data) in the background when these lists are created.

Quick Receipt

Keep Visible

Quantity: 35.000/35.000

Packs: ∞/∞

Classification: 25231

Batch: 177 #

Quantity: 35.000

Item Code: Pipe pliers **Item Name:** Tool Pipe pliers

Revision: code00:PG622V **Warehouse:** 04

Pack Size: 0 **Receipt Location:**

Attribute	Value
Revision Code	code00
Revision Name	PG622V
Status	Locked

Scale

Add
Add Next
Cancel





CUSTOMIZATION

Every production hall is different. Each business has their own ideas about what they need to know and who should know it. At CompuTec one of our key aims in all our solutions is to offer our customers maximum flexibility so we designed CompuTec PDC with as many configuration options as we could conceivably think of.

- Keep your production team focused on tasks and data that is relevant to them by customizing each user's interface on an individual basis.
- Set up your forms so that you only record and display the data that you need.
- For those with incredibly specialized needs we can offer other customization options on a case-by-case basis.

If that's not enough, our customers have access to CompuTec AppEngine which means they can commission their own bespoke extensions for our products too.

Task Panel

7435 (05) Prep (10) 04 Prep
Product-A - Product-A
 31.01.19 09:55 AM 50,00000 EA
 0h 0m 0h 22m

Planned	0h 0m	Booked	0h 7m
Actual	0h 0m		
Planned	0h 0m	Booked	094h 59m
Actual	0h 22m	Reported Quantity	0,010000 EA
Actual	0h 0m		

Details Document Lines

R	Start	End	Duration (m)	Type	Completed
X	31.01.19 09:55 AM	31.01.19 10:17 AM	0h 22m	Run	<input checked="" type="checkbox"/>

- Operation Properties
- Resource Properties
- Item Details
- Tools
- MOR Report
- Bom Report
- Instruction
- Tech Instruction
- Attachments
- Goods Issue
- Goods Receipt
- Assign To
- Activities
- QuickReceipt
- QC Test Properties
- Input Output Properties
- WeightWizard

OTHER COMPUTEC SOLUTIONS

#CompuTec
ProcessForce

An intelligent solution for advanced manufacturing designed to handle complex production processes in a simple way and accommodate the most precise data management needs.

#CompuTec
WMS

A logistics solution to manage your warehousing processes from handheld devices and optimize how they support your production processes.

#CompuTec
Labels

A label printing management solution which ensures your inventory is labelled accurately and exactly according to your particular business needs.

LOGRES
BUSINESS SOLUTIONS

An official **CompuTec** partner

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Logres Business Solutions

is a Gold partner of SAP Business One and ProcessForce in the Netherlands.

Your partner for the ERP solution in the Process Industry.