

## Process Cell Screen

The *Process Cell* screen lets you assign specific work centers to your formula- or assembly-type Bills of Materials (BOMs). From this screen you can define either a group of machines or just a single machine as a work center where batches are manufactured for mix lines, fill lines, or assembly lines. Once a Process Cell is defined, you can also define the formula capacity that can be used in scheduling and planning your facility's productive capacity.

In BatchMaster WEB, batches can be created from any of the following screens:

- *Transfer MPS Production Orders* (MPS).
- *Transfer MRP Production Orders* (MRP).
- *Transfer SO to Batches* (Production Utilities).
- *Create Batches from Schedules* (Production Utilities).

The system will check the *Process Cell Formula Capacity* screen to assign a specific work center to manufacture a batch. If no such entries are defined in the *Process Cell Formula Capacity* screen, the system will check the Process Cell attached to the formula and schedule the batch accordingly. When you work with multiple formulas and a limited number of process cells, this option reduces the amount of data entry required for every Formula and Process Cell combination.



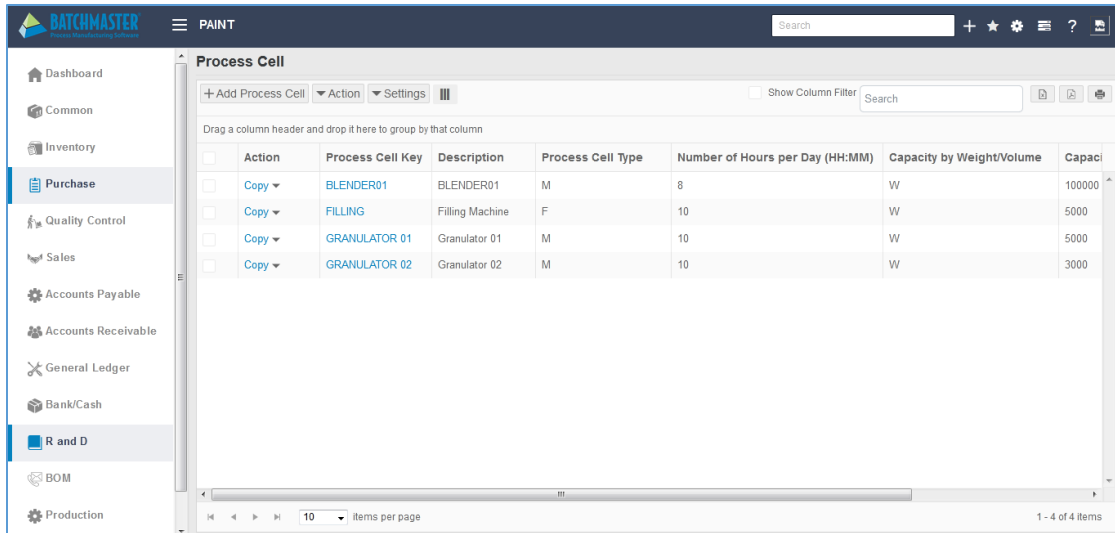
Before you start, you must create a Process Cell. Follow the specifications defined below.

- If the Process Cell Type is Mix, a Formula should be created.
- If the Process Cell Type is Fill, an Intermediate-type BOM should be created and released.
- If the Process Cell Type is Assembly, an Assembly-type BOM should be created and released.

**Go To: R and D → Formula → Process Cell.**

## Process Cell Dashboard

You can manage Process Cell from this dashboard. By default, the system displays all the existing Process Cell(s) maintained for your business / company. You can click on any Process Cell record to view its details.

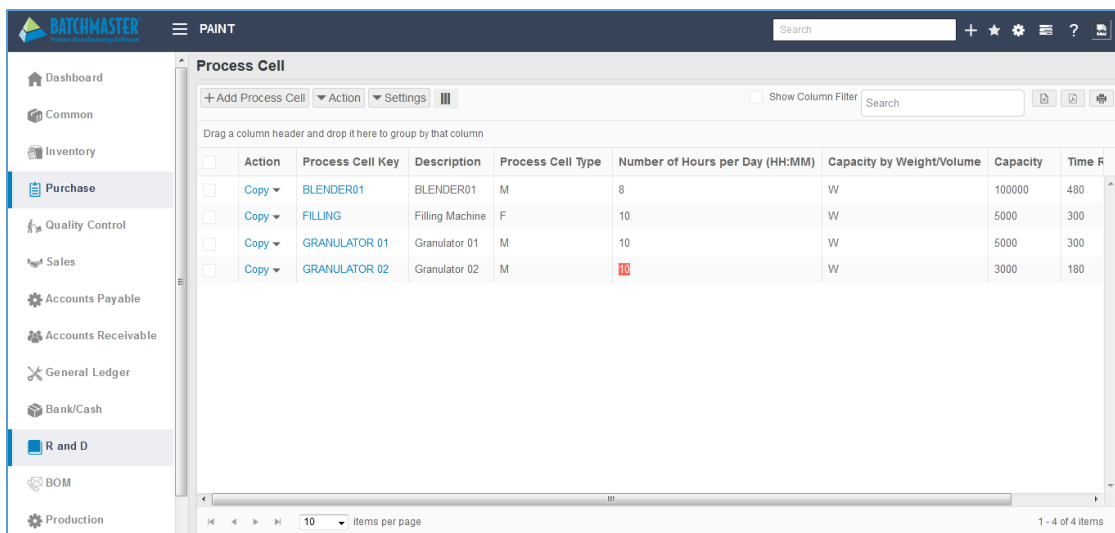


The *Process Cell* dashboard contains many elements that occupy 100% of the browser window. Resizing the window would resize the elements to fit. The elements can be rearranged, i.e., docked, resized, grouped, and stacked. The header and the side panel can't be rearranged.

Using the *Action* button from the dashboard you can:

- Print selected Boilerplate Instruction record(s)
- Delete selected Boilerplate Instruction record(s)
- Copy an existing record to create a new one

After you select all the columns of the *Process Cell* dashboard, the middle grid displays the selected columns.



The Process Cell dashboard provides a clear vision of the created Process Cell in a read-only mode. You can view the defined Process Cell as per the number of pages provided per page.

## Process Cell Screen – Add Mode

To add a new Process Cell to your BatchMaster WEB database, click on the + *Add Process Cell* button. The system displays the *Process Cell* screen, where you can create a new record.

Process Cell Key *	FILLING	Description	Filling Machine
Process Cell Type	Fill	Number of Hours per Day (HH:MM)	10:00
Capacity by Weight/Volume	Weight	Capacity (Stock UOM)	5,000.000000
Time Required to Process One Batch (DD:HH:MM)	00:05:00	Size the Time Required with Batch Size	Yes
Preferred Ranking	1	Start Time	02:00:00 PM

New Copy Save Delete Search Close

### Screen Fields:

**Process Cell Key:** This key constraint uniquely identifies the Process Cell. The key is only a guide to what the process cell might be for, Mix or Fill or Assembly lines batches. This is a mandatory field.

**Description:** This is the name or description for the specified Process cell key.

**Process Cell Type:** This field states the characteristic of the Process Cell. There are three types of Process Cells, which are as follows:

- **Mix:** This type of a process cell can be attached to one or more formulas and can be used for mix type batch.
- **Fill:** Fill type of a process cell can be attached to one or more formulas to be used for fill type batch.
- **Assembly:** This type of a process cell can be attached to one or more BOM's of the assembly type.

**Number of Hours per Day (HH:MM):** This field is used to define the period of time assigned for Process Cell. This is the availability of the Process Cell per day for Production. The field contains the time code format as HH:MM i.e. Hours: Minutes.

**Capacity by Weight/Volume:** This specifies whether the capacity of the process cell, as mentioned at the Capacity field of this screen, is to be interpreted in the System Weight Unit or the System Volume Unit.

**Capacity (Stock UOM):** This a number that specifies the capacity of this process cell for this formula. This number is interpreted in the System Weight Unit or the System Volume Unit, depending on the setting of the *Capacity by Weight/Volume* field on this screen. This is used in determining how many batches will need to be made to produce a certain amount of the end product.

**Time Required to Process One Batch (DD:HH:MM):** This is the time taken to complete one Batch using this Process Cell. This time is entered in terms of DD: HH: MM (Days: Hours: Minutes).

**Size the Time Required with Batch Size:** This specifies whether or not the time calculated to complete a batch will be prorated as per the Batch Size if the Batch Size is less than the Capacity of the process cell.

**Preferred Ranking:** This ranking is for reporting purposes only.

**Start Time:** This is start time of the specified process cell in HH:MM: SS (AM/PM) format.

## Creating a Process Cell

1. Open the *Process Cell* Dashboard.
2. Click on the *+Add Process Cell* button to open the *Process Cell* screen.
3. Enter a Process Cell Key at the *Process Cell Key* field. (This is a mandatory input.)
4. Enter a description of the process cell key in the *Description* field.
5. Choose the *Mix*, *Fill*, or *Assembly* option using the drop-down menu attached to the *Process Cell Type* field.
6. Enter the availability of the Process Cell for each day in terms of Hours: Minutes at the *Number of Hours per Day* field.
7. Select the *Weight* or *Volume* option using the drop-down menu attached to the *Capacity by Weight/Volume* field.

8. Enter the appropriate value to indicate the capacity of the Process Cell at the *Capacity (Stock UOM)* field.
9. Enter the appropriate value to indicate the time required to process one batch (in terms of Days: Hours: Minutes) at the *Time Required to Process One Batch (DD:HH:MM)* field.
10. Specify whether or not to size the time required with batch size at the *Size the Time Required with Batch Size* field.
11. Enter a ranking in the *Preferred Ranking* field.
12. Specify the process cell start time in the *Start Time* field.
13. Click the *Save* button to save the record.