

## Workcenter Cost and Charge Set-up

### Overview:

Costing in the OPTO system is created by a combination of Labour times booked against the job and the Materials/Sub Parts that are issued to a job. For each hour expended of labour there is (workcenter cost + Employee cost) multiplied by the hours to create 'Labour Cost'. A Charge out is also calculated from the Workcenter OR from specific employee rates.

Examples of Workcenter rates and Employee rates are shown in the two pictures below.

### Workcenter Rates Breakdown:

The screenshot shows the 'Workcenter Details' window. The 'Code' is 80 and the 'Description' is TEST. The 'Rates' tab is selected, showing a table of rates:

	per min:	per hour:
Charge (All):	1.0000	60.00
Charge (Setup): <input checked="" type="checkbox"/>	.5000	30.00
Charge (Special):	.0000	.00
Cost (Workcenter):	.3333	20.00
Cost (Estimated):	.8333	50.00
Cost (Assisting):	.0000	.00

**Charge (All)** is the rate per hour to cover all costs and overheads plus a profit or margin. (Used in the calculation of Parts Selling Price or Total Job Charge)

**Charge (Setup)** is the rate per hour to cover the cost of setting up the workcenter. Box must be ticked to include this rate.

**Cost (Workcenter)** is the rate per hour to cover the cost of having the machine or workcenter available in your factory (Used in Job costing only)

**Cost (Estimated)** is the rate per hour to cover the cost of having the machine or workcenter sitting in your factory plus the average labour cost per hour required to work on it. (Used in the calculation of Part Costing.

**Charge (Special) & Cost (Assisting)** are an optional additional charge.

**NOTE:** Cost (Workcenter is only picked up when booking time to a production order. As each hour is used on a workcenter the TOTAL of Hours X 'Cost (Workcenter)' PLUS Hours X 'Emp Cost' ( from the employee record ) is recorded as the actual Labour costing.

### Employee Rates

The screenshot shows the 'Employee' window for Employee 2, Larry T. The 'Rates' tab is selected, showing a table of rates:

	\$ / Min	\$ / Hr
Emp Cost:	1.0000	60.00
Supervising:	.0000	.00
Charge:	1.5000	90.00
Rating:	1	Qualifications apply
Budget:		

## Part Costing Parameters

Calculation of Part Sell prices and Part cost uses the rates from the Workcenter (see above) and either the Material Price at Preferred supplier set price OR using the Last purchase price of the material. A sell price can be calculated using either a Cost Plus mark-up or by using the Charge out rate plus material and mark-up.

The example is using the calculated sell price, refer to diagram below for the breakdown of Sell price.

The screenshot shows the 'Parts' window with the following details:

- Part Code:** 000221-22330
- Part Description:** PART 1
- Finish:** (empty)
- Date Entered:** 09/08/2013
- Details** (selected tab): Build, Labour, More Info, Allocation, History, Used In
- Client Part No:** 000221-22330
- Unit:** MTR
- Grp:** (empty)
- Client Code:** AUST\_WIDE
- Sub Grp:** (empty)
- Drawing No:** 000221-22330
- Rev:** (empty)
- CNC File No:** (empty)
- Date:** (empty)
- Emp No:** 5 (Lisa LEWINS)
- Rev Check:** (empty)
- Is Active:** ☒
- Not for Sale:** ☐
- List Price:** ☐
- Serial No:** ☐
- Locked:** ☐
- Stop PRD:** ☐
- Sample:** ☐
- Margin:** 30.00
- RRP:** (empty)
- Category:** (empty)
- Price:** (empty)
- Calc Cost:** \$89.5479
- Std Cost:** \$0.0000
- Last Cost:** \$1.9800
- Avr Cost:** \$0.0000
- Pick Parts:** ☐
- Cost Selection:** ☒ Pref, ☐ Last, ☐ Stand, ☐ Part, ☐ Avr