BN, Jan 19, 2022

**Project 6585: Increase WO Run Qty from Custom Router Fields and change Priority**

Call Ref: IOW110-71620211232-0

Quote: 13092-0  
Customer: Krypton ENGINEERED METALS

**Business Case:**

Kryton Eng Metals needs additional information to be stored at the router level to replace the need for internal excel docs. The additional info will be stored at a Part/Rev basis and will help schedule priorities levels, set up scrap, and run scrap quantities on the WO.

**Solutions:**

1. 1/ A GAB form launched from the Router Header Script 3 button

This will allow the user to input custom values at a router level used when scheduling the WO.

The new screen will have the following fields available (additional fields could be needed in the future) and the title of the screen should include the router number and rev.

Priority Level – Default to empty string/Validate value as numeric, maximum 3 digit (999)

Setup Scrap – Default to zero/Validate value as numeric.

Run Scrap – Default to zero/Validate as numeric.

1.2/ Custom fields will be copied over at the Router Copy screen

2/ Custom Fields applied at WO Creation: work both at Single level screen and Bom level screen

2.1/ The new priority field will be used when a new work order is entered and saved the first time. When a new work order is entered, if there is a value entered in the priority field on the router, the custom Priority value is entered into the priority value on the work order. If there is not a value enter on the WO, the company default (currently 50) is entered on the work order (the current functionality).

Example:

Current WO value Custom value Final Value

blank 55 55

blank blank 50 as default

54 55 55

54 blank 54

2.2/ The 2 new scrap fields will be used when a new work order is entered and saved the first time. When a new work order is entered and save is clicked the first time, increase the Run Qty of the work order by the setup scrap and run scrap from the router level. For BOM parts, each child will need to be increased by the scrap values entered on their respected routers. The scrap quantities for the child work orders also need to cascade downward. If a tier 1 part calls for 50, with a scrap of 4, then the run quantity is 54. If a child of that part has a scrap quantity of 3, then you need to take the run quantity from the parent, then multiply by the BOM quantity, then add in the scrap quantity of 3. Example if BOM Quantity is 2: Parent 50, Tier 1 = 54, X BOM Qty 2 = 108 + scrap of 3. Run Qty is 111.

Example:

Part # 123456 has Setup Scrap set to 3 and Run Scrap set to 1. When a new work order is entered for 50 pieces. On the first save, the run qty is set to 54 (50 3 1). Once the work order is saved, the run qty can be changed if needed.

Example:

Part # ABC456 is a BOM and has 2 Children Parts (ABC456-01, ABC456-02).

Part # ABC456 Setup Scrap set to 0 and Run Scrap set to 0.

Part # ABC456-01 Setup Scrap set to 4 and Run Scrap set to 0.

Part # ABC456-02 Setup Scrap set to 1 and Run Scrap set to 2.

When a new work order is entered for ABC456 for 50 pieces,

Work order 456789-000 for part # ABC456 has a run qty of 50.

Work order 456789-001 for part # ABC456-01 has a run qty of 54.

Work order 456789-002 for part # ABC456-02 has a run qty of 53.

Once the initial work order has been saved, the run qty can be changed for any of the work orders if needed.

Hook ID to setup this project:

000011010, 000011140, 000011151, 000016650, 000017261

A screenshot of a computer

Description automatically generated

The program will work both at Single level and Bom level WO Creation screen.

Graphical user interface, application

Description automatically generated Graphical user interface, application

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