

# Part Creation

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# Overview

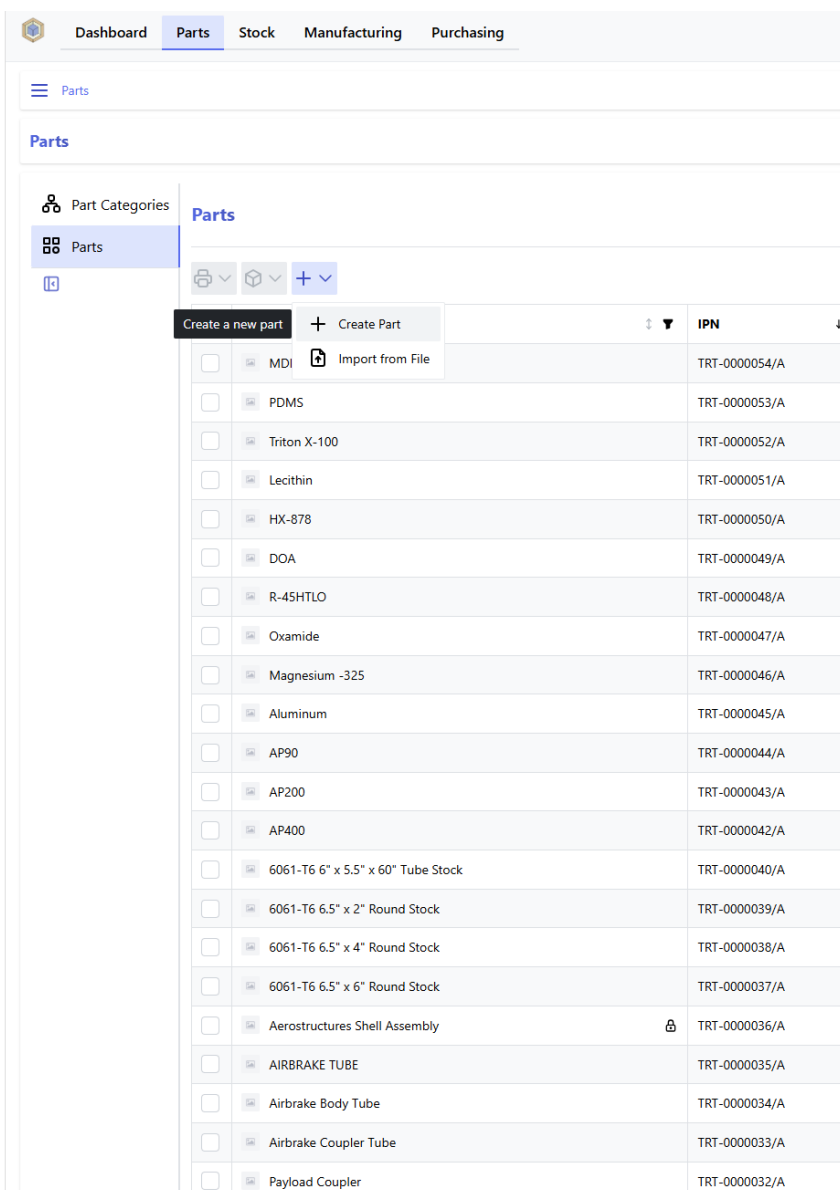
Parts are first created in Inventree where they are assigned an IPN. Then they can be created in fusion/solidworks/kicad with the correct IPN. Parts should be named in all caps. The part naming format is <IPN | Name> (example: TRT-0000145/A | EXAMPLE PART)

# Inventree Part Creation

Part creation in Inventree is easy, but there are a few options to know about. "Assembly" and "Purchasable" are the two biggest ones, you will need to choose the correct option depending on if we build or buy the part you are adding,

IPNs and revisions are all handled by the system.

Go to the part page and click the plus, then click create part.



The screenshot shows the Inventree web interface. At the top, there are navigation tabs: Dashboard, Parts (selected), Stock, Manufacturing, and Purchasing. Below the navigation, there is a sidebar with 'Part Categories' and 'Parts' (selected). The main content area displays a table of parts. A modal window is open over the table, showing 'Create a new part' and 'Create Part' options. The table has columns for checkboxes, part names, and IPN (Inventory Part Number).

			IPN
<input type="checkbox"/>	MDI	Import from File	TRT-0000054/A
<input type="checkbox"/>	PDMS		TRT-0000053/A
<input type="checkbox"/>	Triton X-100		TRT-0000052/A
<input type="checkbox"/>	Lecithin		TRT-0000051/A
<input type="checkbox"/>	HX-878		TRT-0000050/A
<input type="checkbox"/>	DOA		TRT-0000049/A
<input type="checkbox"/>	R-45HTLO		TRT-0000048/A
<input type="checkbox"/>	Oxamide		TRT-0000047/A
<input type="checkbox"/>	Magnesium -325		TRT-0000046/A
<input type="checkbox"/>	Aluminum		TRT-0000045/A
<input type="checkbox"/>	AP90		TRT-0000044/A
<input type="checkbox"/>	AP200		TRT-0000043/A
<input type="checkbox"/>	AP400		TRT-0000042/A
<input type="checkbox"/>	6061-T6 6" x 5.5" x 60" Tube Stock		TRT-0000040/A
<input type="checkbox"/>	6061-T6 6.5" x 2" Round Stock		TRT-0000039/A
<input type="checkbox"/>	6061-T6 6.5" x 4" Round Stock		TRT-0000038/A
<input type="checkbox"/>	6061-T6 6.5" x 6" Round Stock		TRT-0000037/A
<input type="checkbox"/>	Aerostructures Shell Assembly		TRT-0000036/A
<input type="checkbox"/>	AIRBRAKE TUBE		TRT-0000035/A
<input type="checkbox"/>	Airbrake Body Tube		TRT-0000034/A
<input type="checkbox"/>	Airbrake Coupler Tube		TRT-0000033/A
<input type="checkbox"/>	Payload Coupler		TRT-0000032/A

## Add Part



### Category

Part category

### Name \*

Part name



### IPN

Internal Part Number

### Description

Part description (optional)

### Revision

Part revision or version number

### Revision Of

Is this part a revision of another part?

### Variant Of

Is this part a variant of another part?

### Keywords

Part keywords to improve visibility in search results

### Tags

Tags for this item

### Units

Units for this item

Keep form open

Keep form open after submitting

Cancel

Submit

Search... | v

- Component**  
Can this part be used to build other parts?
- Assembly** ←  
Can this part be built from other parts?
- Is Template**  
Is this part a template part?
- Testable**  
Can this part have test results recorded against it?
- Trackable**  
Does this part have tracking for unique items?
- Purchaseable** ←  
Can this part be purchased from external suppliers?
- Salable**  
Can this part be sold to customers?
- Virtual**  
Is this a virtual part, such as a software product or license?
- Locked**  
Locked parts cannot be edited
- Active**  
Is this part active?
- Copy Category Parameters**  
Copy parameter templates from selected part category

If the part is an assembly, then it will also need a BOM.

## Part: TRT-000034/A | Airbrake Body Tube

Part Details

Stock

Allocations

Bill of Materials

Used In

Part Pricing

Build Orders

Related Parts

Parameters

Attachments

Notes

Plugin Provided

Procedures



### Bill of Materials

**BOM Not Validated**

The Bill of Materials for this assembly has not been validate



#### Component

3K 220gsm Plain Weave Carbon Fiber Cloth

LAM-125

LAM-229

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Once the BOM is correct, validate the BOM and lock the part: