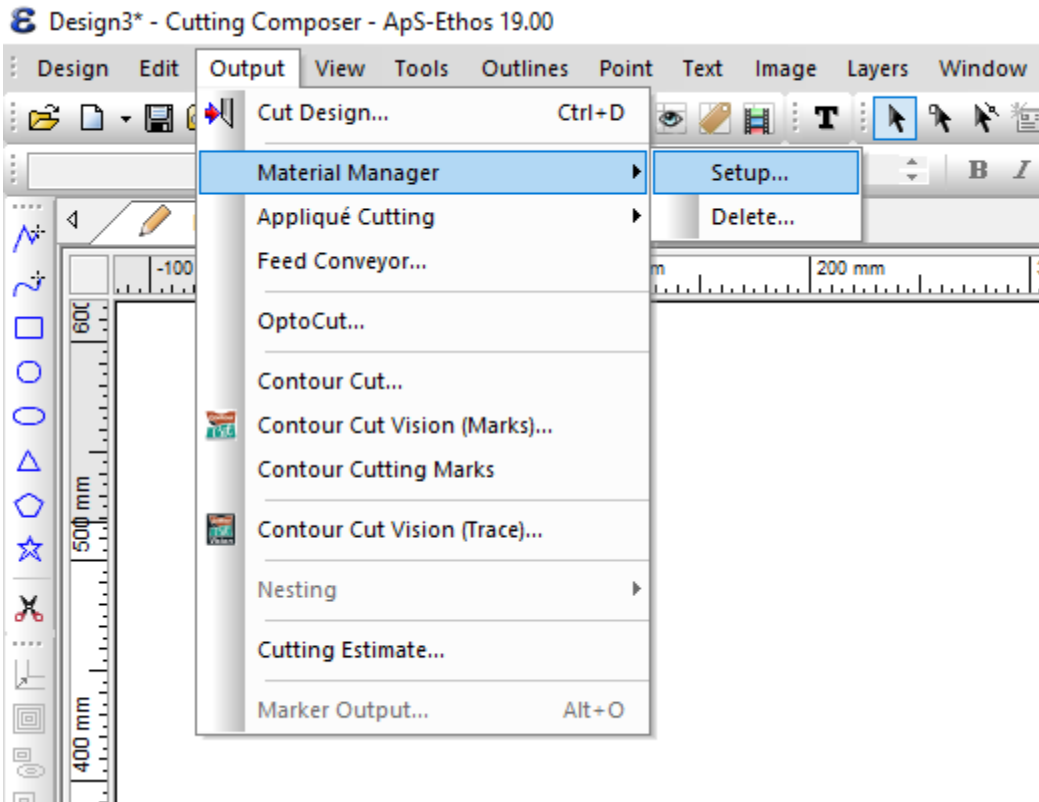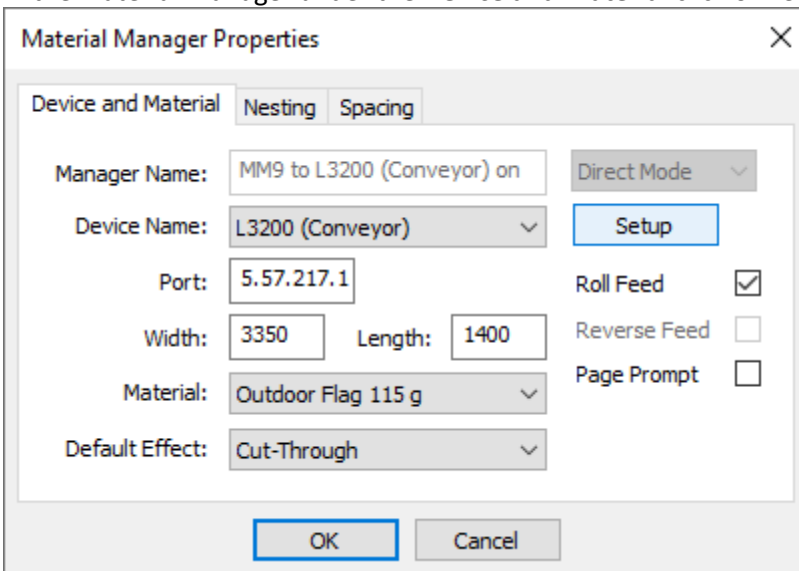Adjusting Laser Settings (Speed/velocity, Power,etc)
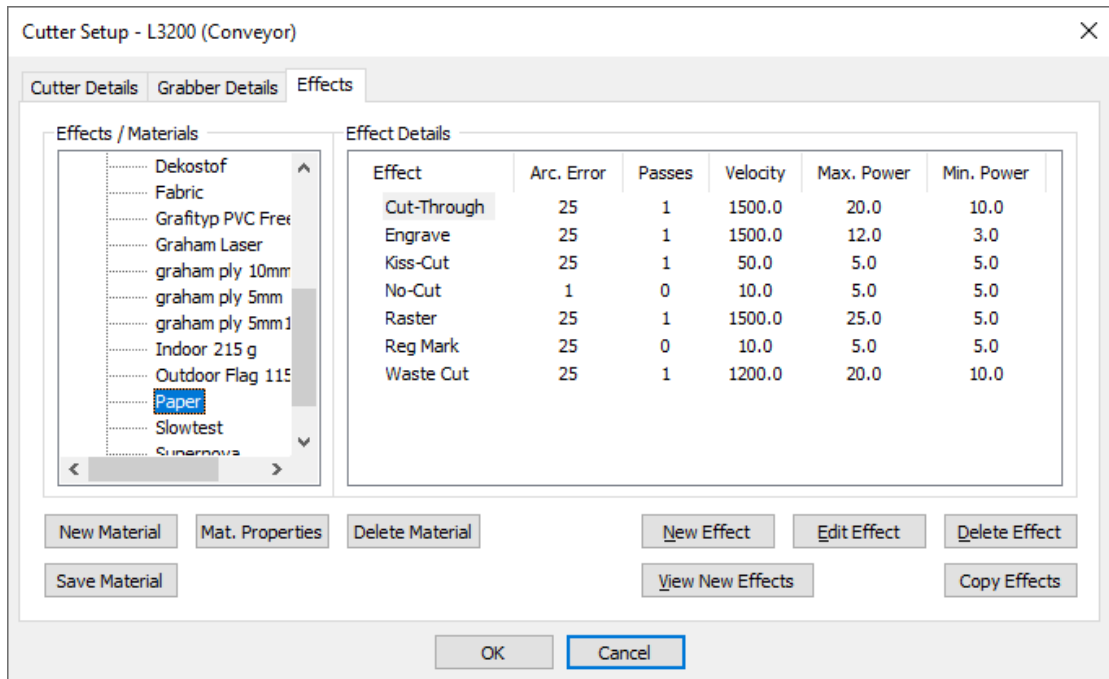
1. In Ethosm make sure one job is open.

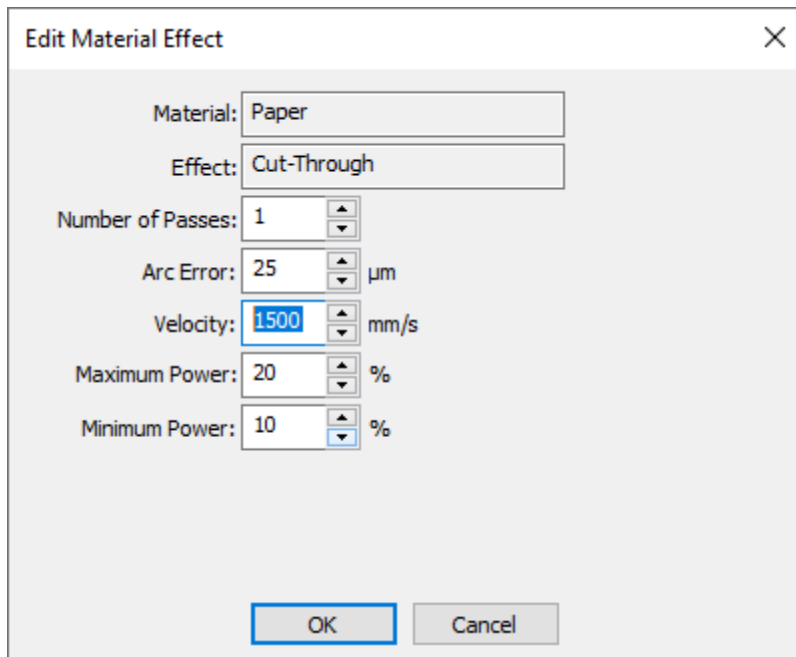2. Select in the **Menu** - **Material Manager** - **Setup**

3. In the material Manager under the **Device and Material** click on "**Setup**" Button

4. In the Cutter Setup under the **Effect** tab, select the material.

Cutter Setup - L3200 (Conveyor)   ✕

Cutter Details Grabber Details **Effects**

Effects / Materials   Effect Details

Effect	Arc. Error	Passes	Velocity	Max. Power	Min. Power
Cut-Through	25	1	1500.0	20.0	10.0
Engrave	25	1	1500.0	12.0	3.0
Kiss-Cut	25	1	50.0	5.0	5.0
No-Cut	1	0	10.0	5.0	5.0
Raster	25	1	1500.0	25.0	5.0
Reg Mark	25	0	10.0	5.0	5.0
Waste Cut	25	1	1200.0	20.0	10.0

Effects / Materials list:
Dekostof
Fabric
Grafityp PVC Free
Graham Laser
graham ply 10mm
graham ply 5mm
graham ply 5mm 1
Indoor 215 g
Outdoor Flag 115
Paper
Slowtest
Supernova

[New Material] [Mat. Properties] [Delete Material]   [New Effect] [Edit Effect] [Delete Effect]

[Save Material]   [View New Effects] [Copy Effects]

[OK] [Cancel]

5. Select the effect (Typically: Cut-Through) and click on the "Edit Effect" button.   Alternativly, double click on the effect.

6. Adjust the speed/velocity or power in the Material Effect.

Edit Material Effect   ✕

Material: Paper

Effect: Cut-Through

Number of Passes: 1

Arc Error: 25 µm

Velocity: 1500 mm/s

Maximum Power: 20 %

Minimum Power: 10 %

[OK] [Cancel]

7. Click the "OK" button to close the Material Effect

8. Click the "OK" button to close the Cutter Setup

9. Click the "OK" button to close the Material Manager

Alternative change before outputting:
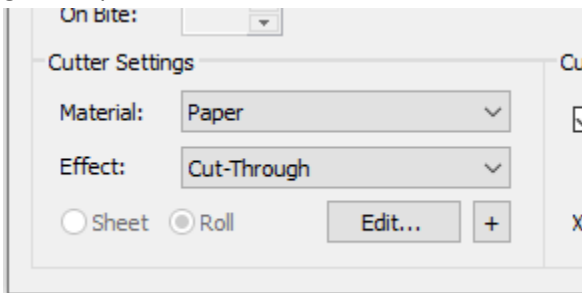
In "Direct Mode"

- Menu: Output - Cut Design

- Ctrl + D

- toolbar icon

First job you sent to the machine the "Material Manager" will pop-up to be setup : see 3) in the general procedure.

Note: If a job has been output, the material manager will be already and the "Material manager will not pop-up on the next jobs. The Material Manager can be deleted to force new setup:Select in the **Menu** - **Material Manager** - **Delete** before outputting**.**

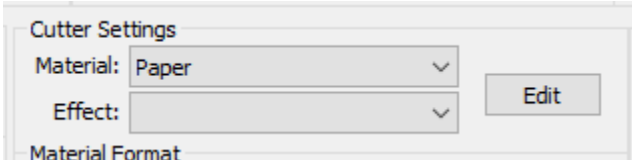In "Vision Mode" Trace/Marks:

- In the Vision Window, click on the '+' button to get to the Cutter Setup Window : see 4) in the general procdure

In "OptoCut Mode" (not on L3214)

- In the OptoCut Window, make sure one material is selected and click on the 'edit' button to get to the Cutter Setup Window : see 4) in the general procdure

General Remarks:

- Changing effect details are alway stored immediatly in the material database. It is not possible to change settings just for one job.

- Therefore, when testing a new material always use a new material in the database in order not to overwrite material settings.   In the Cutter setup window select a material and click on the 'new material' button to make a copy of the selected material.