Assignment for a department or faculty of the TU and it is to be internally accounted please provide the Baancode;	Baancode:	P5 date

Updated: July 2022

ORDERFORM FOR THE LASERCUTTERS

Order

Signature SA

Name: _____

Student number: _____ Study: _____

Telephone: _____ Course: _____

E-mail: _____

Date: _____ **Please fill in the materials below:**

AMOUNT	MATERIAL	THICKNESS in mm	LENGTH x WIDTH in mm		PRICE Please fill in yourself
					.... x ..... = €
					.... x ..... = €
					.... x ..... = €
					.... x ..... = €
					.... x ..... = €
					.... x ..... = €
					.... x ..... = €
					.... x ..... = €
					.... x ..... = €

TOTAL MATERIAL COSTS €

+

TOTAL LASER COSTS

Laser time €

=

TOTAL COSTS €

MDF	**2,0 mm**	**3,0 mm**	**4,0 mm**
300 x 300	€ 0,35	€ 0,45	€ 0,50
600 x 300	€ 0,70	€ 0,90	€ 1,00
765 x 450	€ 1,35	€ 1,70	€ 1,90

Cardboard	**0,5 mm**	**1,0 mm**	**1,5 mm**	**2,0 mm**	**3,0 mm**
600 x 300	€ 0,15	€ 0,55	€ 0,60	€ 0,70	€ 1,05
700 x 450	€ 0,30	-	-	-	-
800 x 450	-	€ 0,75	€ 0,80	€ 1,05	€ 1,60

Triplex (plywood)	**0,4 mm**	**0,6 mm**	**0,8 mm**	**1,0 mm**	**1,5 mm**	**2,0 mm**	**3,0 mm**
300 x 300	€ 8,80	€ 7,60	€ 4,25	€ 4,10	€ 3,90	€ 4,70	€ 1,50
600 x 300	€ 17,60	€ 15,20	€ 8,50	€ 8,20	€ 7,80	€ 9,40	€ 3,00
760 x 450	-	-	-	€ 15,60	€ 14,90	€ 17,85	€ 5,75

Perspex (plexiglas)	**1,0 mm**	**2,0 mm**	**3,0 mm**	**4,0 mm**
300 x 300	€ 7,55	€ 6,35	€ 6,50	€ 7,90
600 x 300	€ 15,10	€ 12,70	€ 13,00	€ 15,80
800 x 450	€ 30,15	€ 25,30	€ 26,05	€ 31,60

MDF-cardboard	**0,4 mm**
300 x 300	€ 0,35
600 x 300	€ 0,70
700 x 450	€ 1,30

White cardboard	**1,0 mm**
600 x 300	€ 2,00
700 x 450	€ 3,55

Doublesided stickingfoil	**0,4 mm**
300 x 300	€ 0,60
600 x 300	€ 1,20
700 x 450	€ 2,40

Read the back of this form for more information!

CAM-lab

The laser cutters can be used to cut a variety of thin sheet materials. We are able to cut materials with a thickness from 0,1 mm (paper) to max. 6 mm (wood, MDF, Perspex). The input for cutting and engraving is controlled by a 2D CAD drawing you provide. Instructions on how to make the file can be found in the **Autocad Drawing manual.**

The price for laser cutting is **€ 30,- per hour of lasering time** (you pay by the minute). The time it takes to cut materials depends on the amount of cutting and engraving lines, the type of material and the thickness.

Presentation periods !!!
Remember that in the presentation periods the queue can be up to **3 weeks**!! So make sure you hand in your files in time. Try and split big orders in seperate small orders so that you can already have parts you can assemble while the rest might still be in the queue. For complicated parts, first test the principle on a smaller sheet to see if everything fits.

Procedure

Before you start drawing your file you can get advice between 9:00 and 11:00 at the CAM-lab. It is important to communicate your wishes so we can tell you how to get a good result.

1. - **Step 1**: Download the Autocad template from our site: https://www.tudelft.nl/bk/overfaculteit/faciliteiten /modelling- techniques/camlab/ (alternatively google CAM-lab TU Delft)

   - **Step 2**: Place your drawing in the template file, use the correct layers for engraving and cutting and select your materials based on the construction of your model (place all your files in one drawing and specify the separate materials above each sheet).

   - **Step 3**: When working in Autocad save the file as a DWG, for other programs like Rhino export the drawing as a DWG (if you use a student version of Autocad please save in DXF).

   - **Step 4**: Fill in the order form completely, calculate the material price and hand in the order form together with your file on a USB stick, **between 9:00 and 11:00** at the CAM-lab.

2. **Be sure to start in time!** the queue grows rapidly during presentation periods. A waiting time of 2 weeks or more is to be expected in busy periods.

3. To minimize waiting times, big files and assignments that can be made with a different technique can be declined in busy periods. During graduation periods our **main priority** is with the graduating students (**P5**) than with other students (so you might experience a longer que).

4. We have all the standard materials in stock in the sizes listed on the form. If you want to provide your own material: we can handle any sheet size smaller than 450x800mm. Please notify the staff beforehand if you want to use your own material as we can't cut every material.

5. The **student-assistants** at the CAM-lab will do the actual laser cutting.

6. You will receive an e-mail or telephone call when the laser cutting is done.

7. **Picking up your order**: Pay for the laser cutting in the CAM-lab, you can pay by card or cash (no credit cards). Keep in mind that we don't have much change.

8. **For more information**: https://www.tudelft.nl/bk/over-faculteit/faciliteiten/modelling-techniques/camlab/

9. For more information on modelling techniques visit: https://modellingtechniques.weblog.tudelft.nl/

10. **Questions? Email us at**: camlab-bk@tudelft.nl or call: Tel: 015-2786540

Read this form carefully to avoid extra work!