

# MOHD HUSNAIN

H. No. 20, Block A  
Dakshin Puri Extn.  
New Delhi-110062  
Contact No. - +91-7503376673  
+91-8851900197  
E-Mail ID – [mohd.husnain.200@gmail.com](mailto:mohd.husnain.200@gmail.com)

## **OBJECTIVE**

To become part of an innovative team as a Mechanical Design Engineer to utilize my expertise in CAD software, 3D modelling, developing process improvement initiatives, and conveying complex product development concepts in a simple and compelling manner and interested in making significant contributions to the future of your company, while continuing to learn with the brightest minds in the industry.

## **WORK EXPERIENCE**

- **D.B. Engineering Solutions**

An established leader in the manufacturing of Industrial Knives and Blades as well as Forming Rolls & Mills with a very broad and wide domestic & overseas customer base, which include some of the largest Paper Mills, Steel Mills Service Centers, Tube, Pipe & Section Manufacturers, Printing and Binding house, Plywood, Chipboard, OSB board manufacturer in the country also leading PSF manufacturer, Plastic Granule manufacturer and also Plastic and Metal Recyclers.

**Designation:** Mechanical Design Engineer

**Period:** March 2022 to till now

- **Accuster Technologies Pvt Ltd New Delhi**

**Designation:** Production R&D (Mechanical Design Engineer)

**Period:** April 2018 to October 2021

- **Maxop Engineering Pvt Ltd**

**Designation:** Trainee CNC Engineer (Programming & Operation)

**Period:** 15<sup>th</sup> July 2017 to 16<sup>th</sup> August 2017

## **EDUCATIONAL CREDENTIALS**

B.Tech in **Mechanical Engineering** from PCCS GR. NOIDA Affiliated by AKTU and Approved by AICTE.

<u>DEGREE</u>	<u>BOARD</u>	<u>YEAR</u>	<u>PERCENTAGE</u>
B.Tech	AKTU	2017	66.96%
12 <sup>TH</sup>	CBSE	2013	61.30%
10 <sup>TH</sup>	CBSE	2011	9.2 (CGPA)

## **Job Responsibilities:**

- Developing 2D, 3D Models & detailed designs for mechanical components and assemblies using Solidworks & CAD.
- Make root card, job card with Turning & Final drawing of different types of Products to be manufacture.
- Make final & blank Annexure for production.
- Modification & design the product as per required by customer & Marketing.
- Detailing product for manufacturing & grinding purpose.
- Review & analyze design concepts, product requirements, and specifications of drawings and procedures.
- Generate ordinate drawing of hard & soft profile for CNC Programming as well as make Program on SolidCam for Hard Turning Profile.
- Make Template (Gauge) drawing as well as Go & No-Go Gauge for Inspection of the product
- Create BOM and weight calculation for the designed components.
- Laser cutting layout and sheet metal planning.

## **CORE STRENGTH & TECHNICAL SKILLS**

- **Solidworks, NX & SolidCam:** To design 2D, 3D Part Modeling, Sheet-metal and design Prototypes and analysis of design in Solidworks & also turning NC Program on SolidCam
- **CURA (For 3D Print):** Design and make prototypes with help of Cura software on 3D Printer.
- **ArtCam:** Design and create programming of design for CNC Router.
- **Certificate in AutoCAD** certified by NSIC LTD. TECHNICAL SERVICE CENTRE (A GOVT. OF INDIA ENTERPRISE), 2016
- **Certificate in CNC Programming & Operation (FANUC Controller)** certified by NSIC LTD. TECHNICAL SERVICE CENTRE (A GOVT. OF INDIA ENTERPRISE), 2017
- Knowledge of **GD&T, Surface Roughness Grade & symbols.**
- Managing Tool Room and maintenance & worked on CNC Router, Milling machine, Lath Machine, Surface Grinder and other different machinery.

## **ADDITIONAL SKILLS**

- Computer Software installations and Hardware knowledge.
- Drafted technical documents such as deviation reports, SOP's, KAIZEN etc.
- Trello (A web-based project management & Task management tool) on the basis of KANBAN.
- ERP (Enterprise Resource Planning) Software (TranZact)

## **PROJECTS EXPERIENCE**

- Modify design of LaBike (Lab On a bike) Different kind of Portable Labs.
- Working at ShudhVayu project as a lead Design Engineer & Designed ShudhVayu Innovation to clean polluted air from Atmosphere.
- Design and Prototype of Shudhvayu Room Purifier, Car Internal purifier.
- Design and prototype of 5ltr & 10ltr Oxygen Concentrator

## **PERSONAL SKILLS & STRENGTH**

- Motivating & Goal Oriented
- Positive Attitude
- Adaptability
- Honest & Hard working
- Quick Learner

## **PERSONAL DETAILS**

Father's Name	:	Raj Mohamad
Date of Birth	:	01 <sup>st</sup> Feb 1996
Nationality	:	Indian
Marital status	:	Married
Language	:	English & Hindi
Hobbies	:	Playing Chess & Watching Movies

## **DECLARATION**

I hereby declare that all the information furnished above are true & correct to the best of my knowledge & belief.

Place : .....

Date : ...../...../.....

**(Mohd Husnain)**

# Mechanical Engineer Design Portfolio

MOHD HUSNAIN

(B.Tech in Mechanical Engineering)

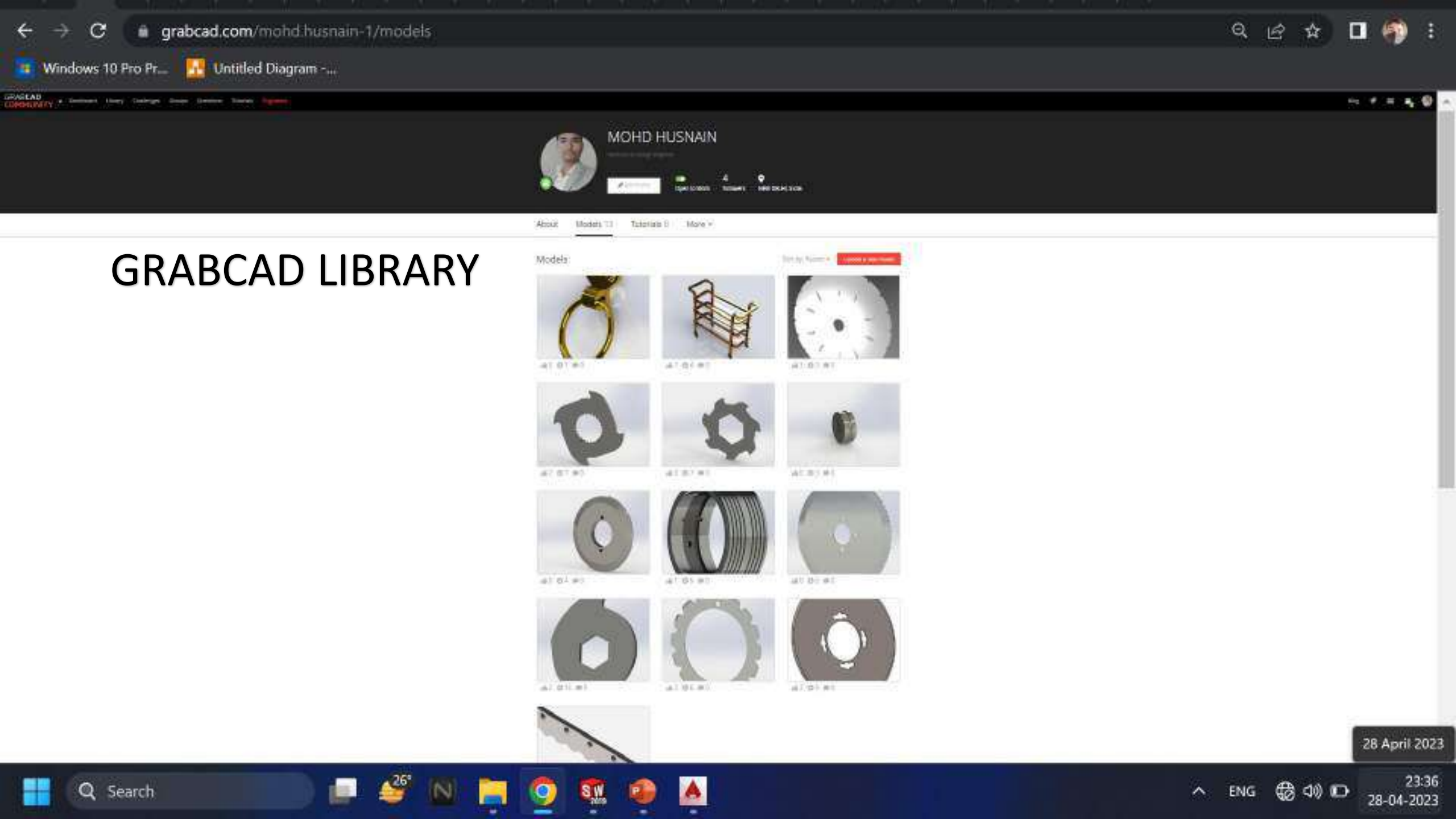
E-Mail:- [mohd.husnain.200@gmail.com](mailto:mohd.husnain.200@gmail.com)

Mob:- +91-8851900197, 7503376673

Welcome, and thank you for taking the time to view my portfolio.

The Goal of this portfolio is to give you a deeper insight into my experiences and skills I have gained over my recent history.

It is my hope that this will allow you to better assess how my skills can be applied to your company.



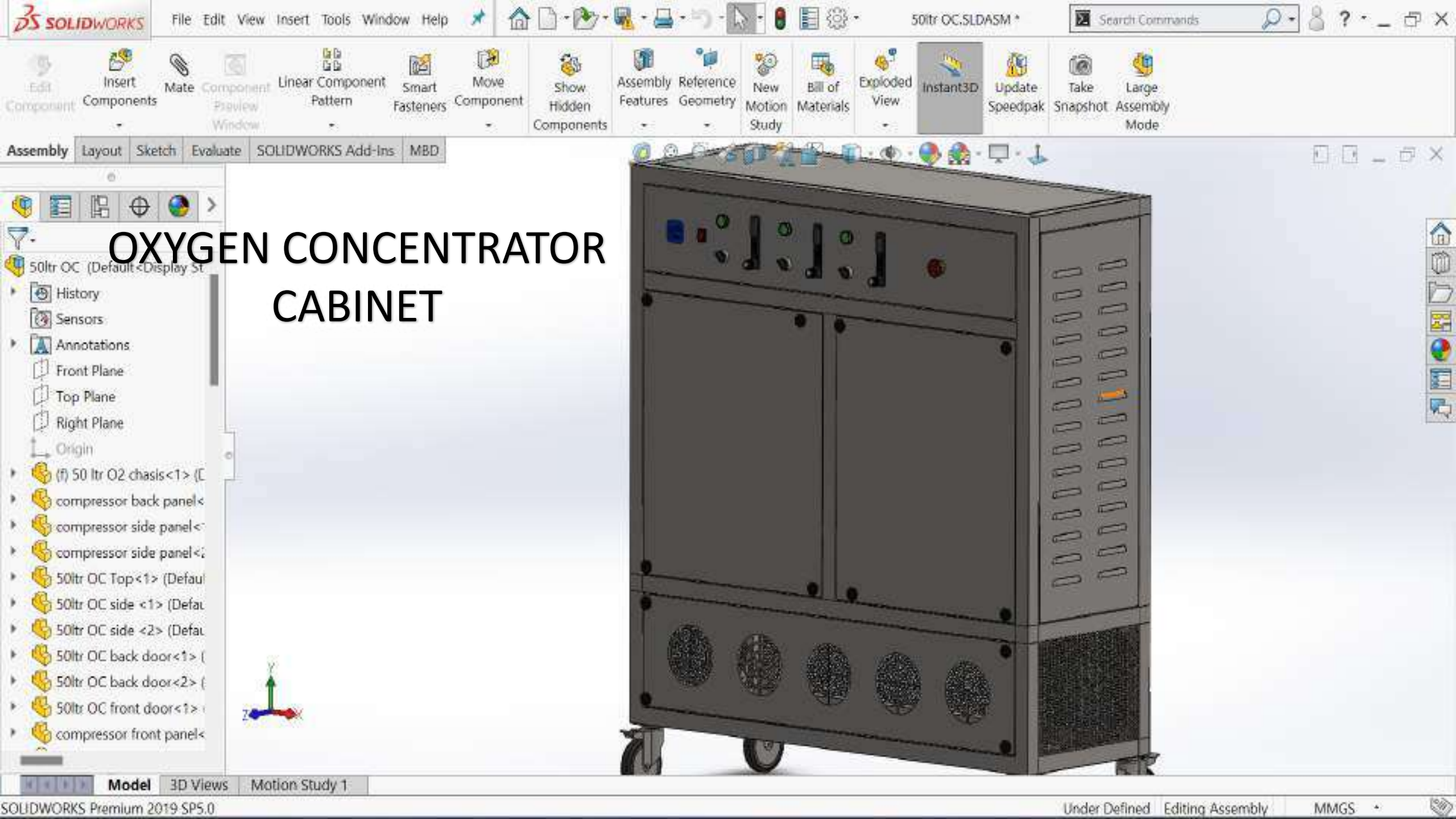
# GRABCAD LIBRARY

Models



28 April 2023

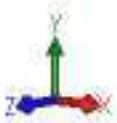
23:36  
28-04-2023



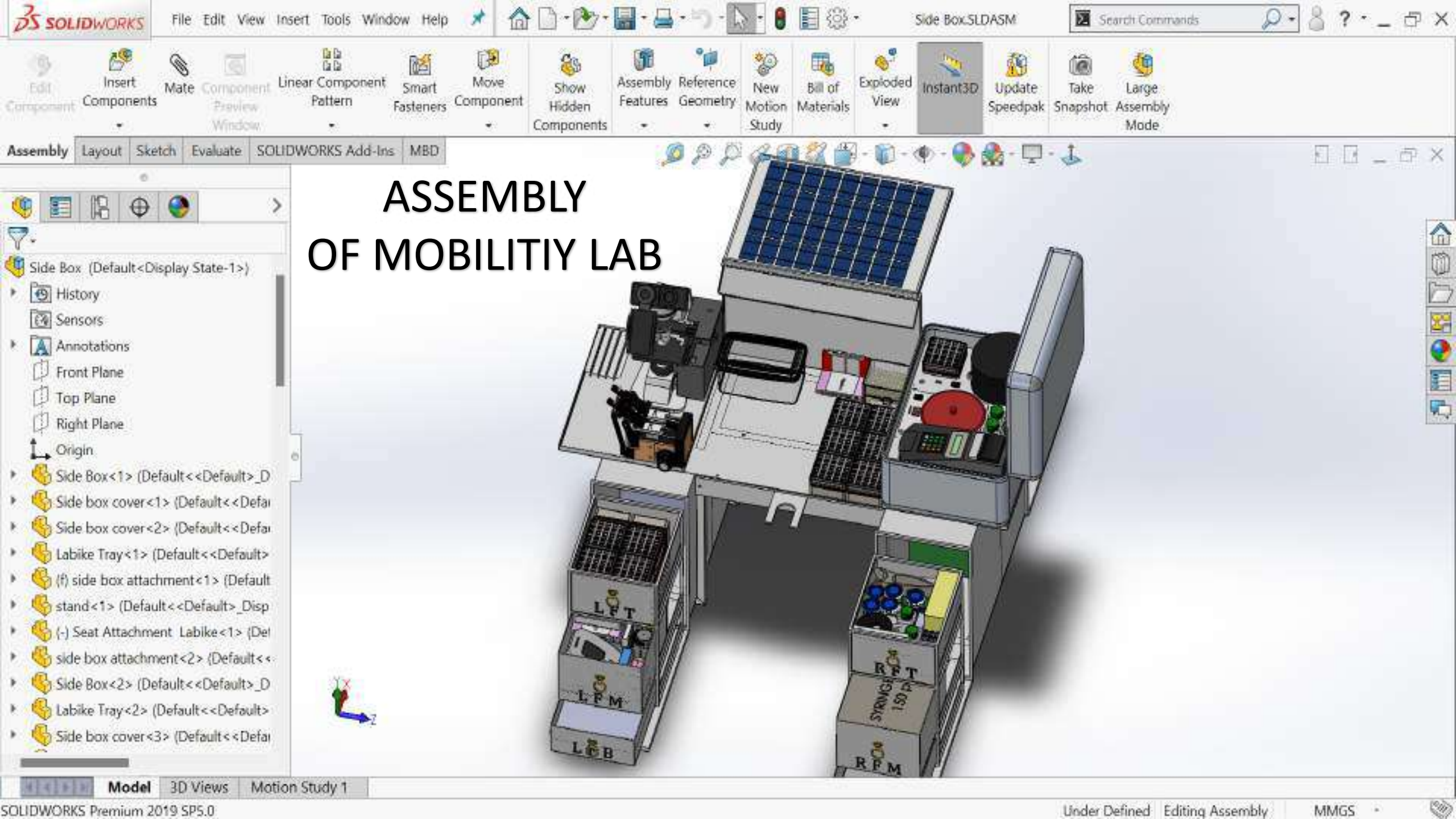
# OXYGEN CONCENTRATOR CABINET

Assembly Layout Sketch Evaluate SOLIDWORKS Add-Ins MBD

- 50ltr OC (Default <Display St
- History
- Sensors
- Annotations
- Front Plane
- Top Plane
- Right Plane
- Origin
- (f) 50 ltr O2 chasis<1> (C
- compressor back panel<
- compressor side panel<
- compressor side panel<
- 50ltr OC Top<1> (Defaul
- 50ltr OC side <1> (Defal
- 50ltr OC side <2> (Defal
- 50ltr OC back door<1> (
- 50ltr OC back door<2> (
- 50ltr OC front door<1> (
- compressor front panel<



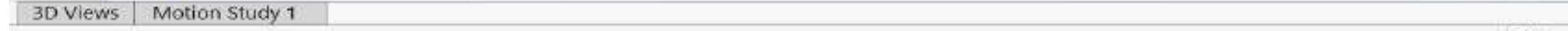
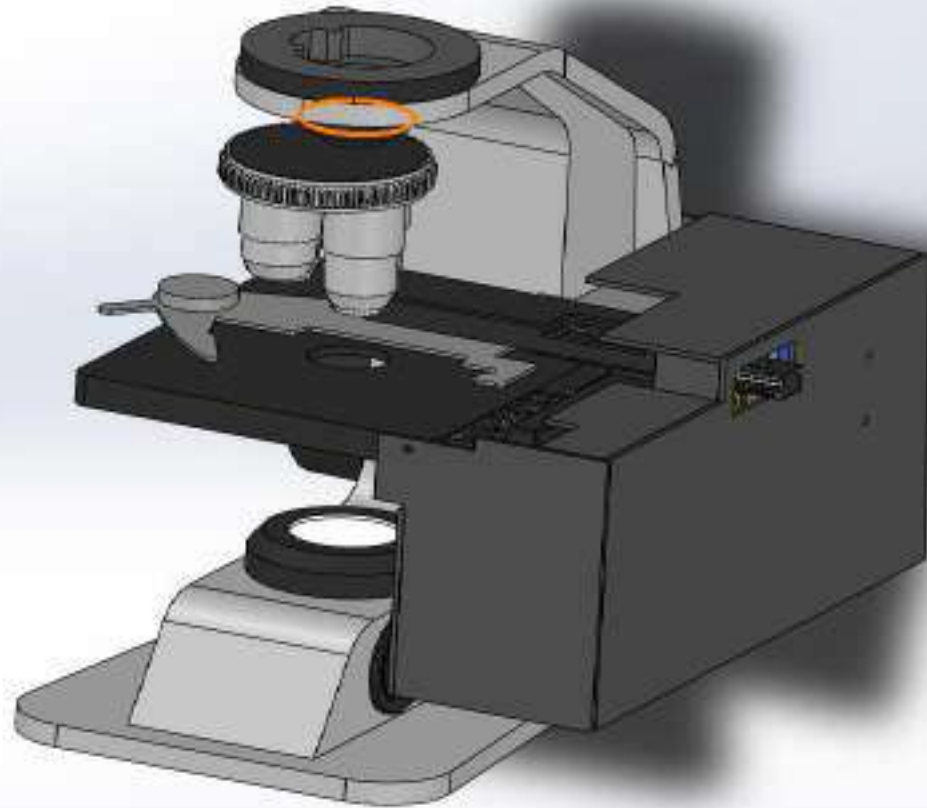
Model 3D Views Motion Study 1

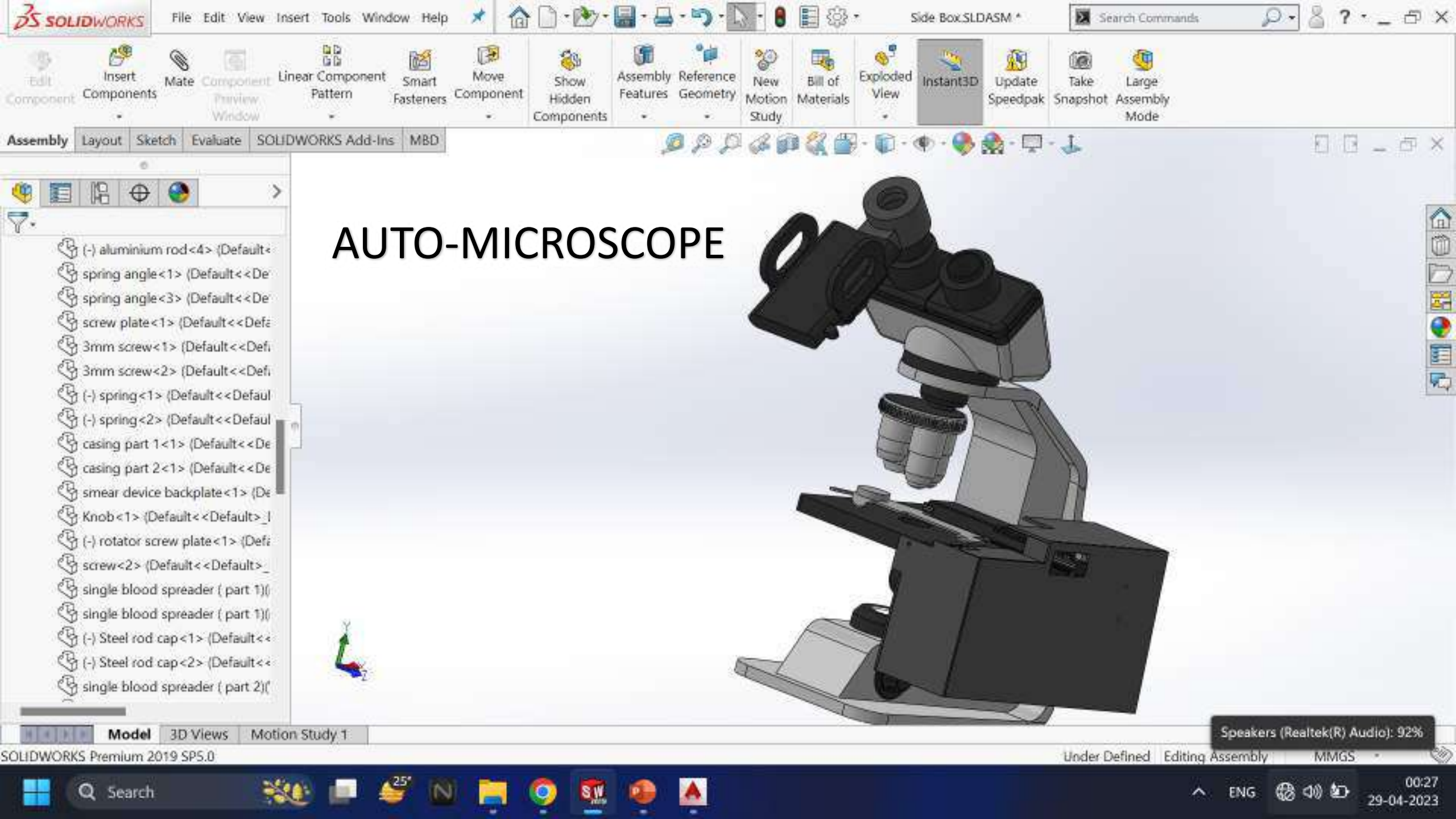


# ASSEMBLY OF MOBILITY LAB

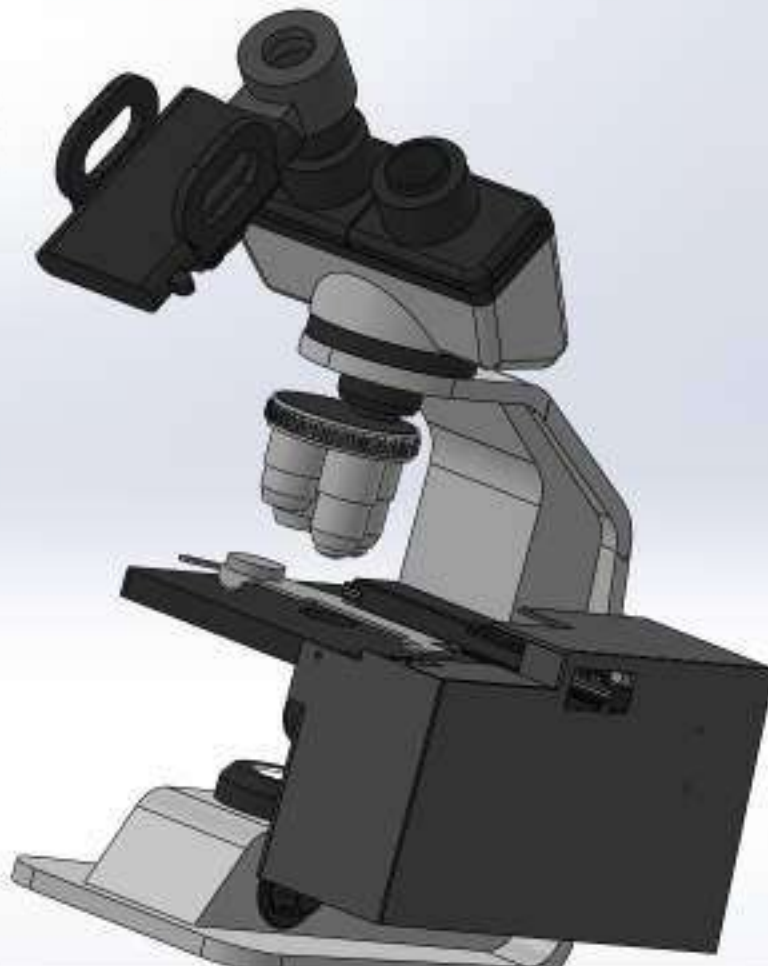


# MICROSCOPE ASSEMBLY





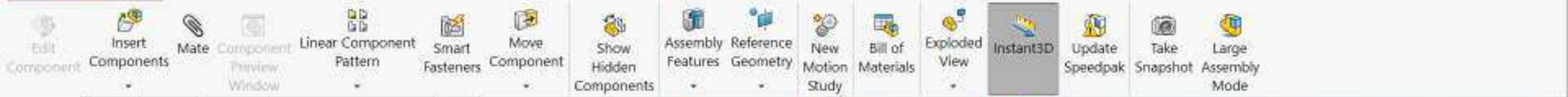
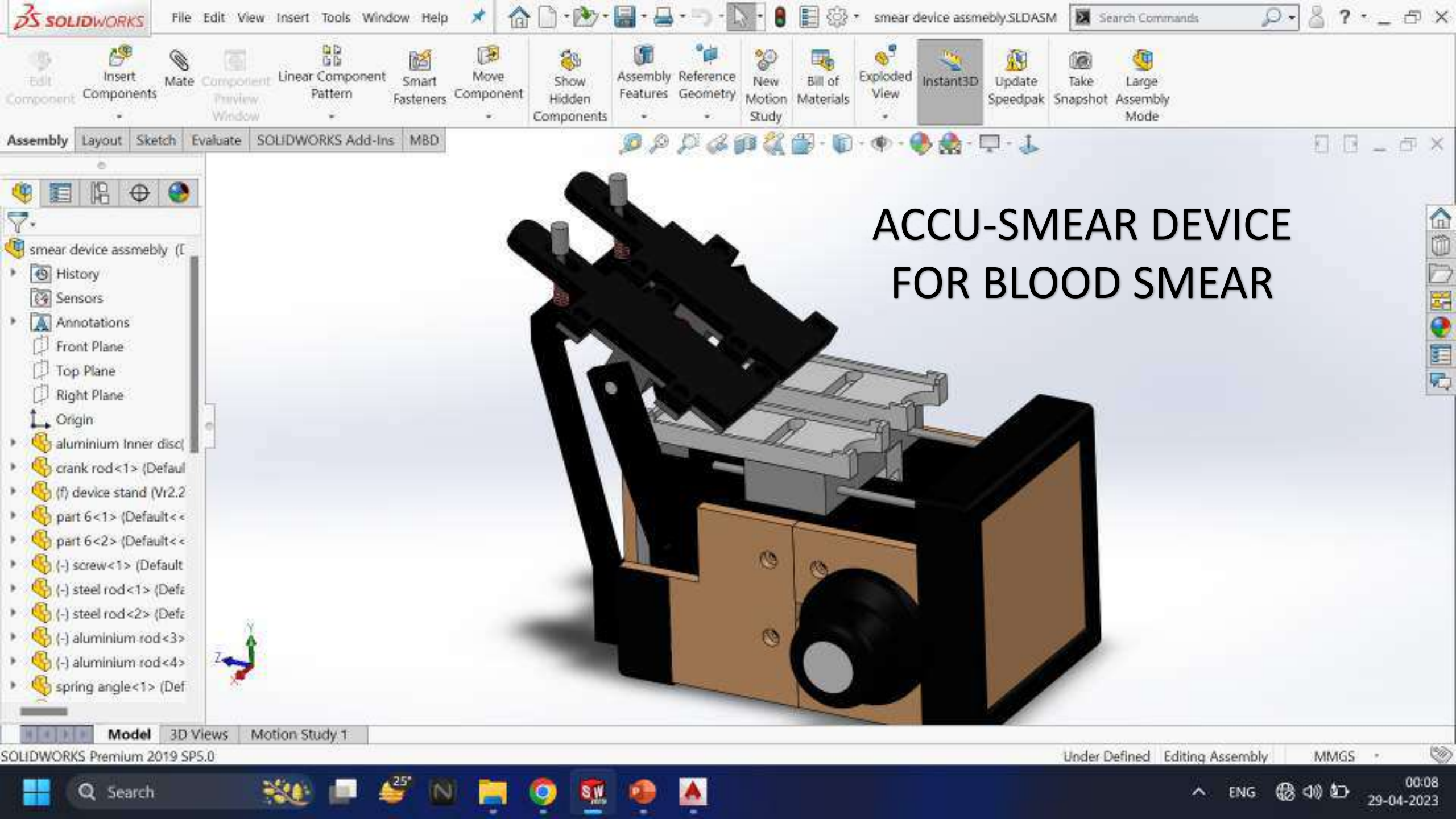
# AUTO-MICROSCOPE



- (-) aluminium rod<4> (Default<
- spring angle<1> (Default<<De
- spring angle<3> (Default<<De
- screw plate<1> (Default<<Defa
- 3mm screw<1> (Default<<Defi
- 3mm screw<2> (Default<<Defi
- (-) spring<1> (Default<<Defaul
- (-) spring<2> (Default<<Defaul
- casing part 1<1> (Default<<De
- casing part 2<1> (Default<<De
- smear device backplate<1> (De
- Knob<1> (Default<<Default>\_]
- (-) rotator screw plate<1> (Defi
- screw<2> (Default<<Default>\_
- single blood spreader ( part 1)(
- single blood spreader ( part 1)(
- (-) Steel rod cap<1> (Default<<
- (-) Steel rod cap<2> (Default<<
- single blood spreader ( part 2)(

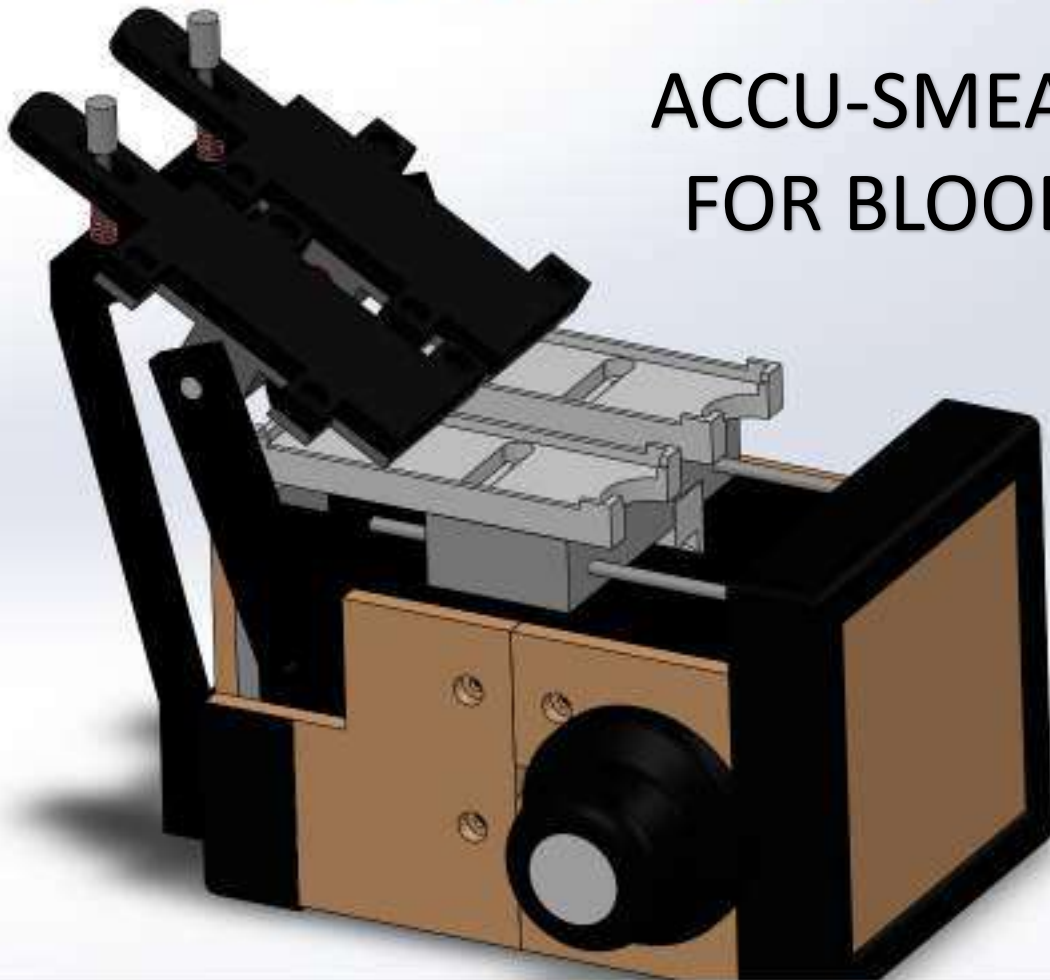
Speakers (Realtek(R) Audio): 92%

Under Defined Editing Assembly MMGS



- smear device assmebly (I
- History
- Sensors
- Annotations
- Front Plane
- Top Plane
- Right Plane
- Origin
- aluminium Inner disc
- crank rod<1> (Defaul
- (f) device stand (Vr2.2
- part 6<1> (Default<<
- part 6<2> (Default<<
- (-) screw<1> (Default
- (-) steel rod<1> (Defe
- (-) steel rod<2> (Defe
- (-) aluminium rod<3>
- (-) aluminium rod<4>
- spring angle<1> (Def

# ACCU-SMEAR DEVICE FOR BLOOD SMEAR

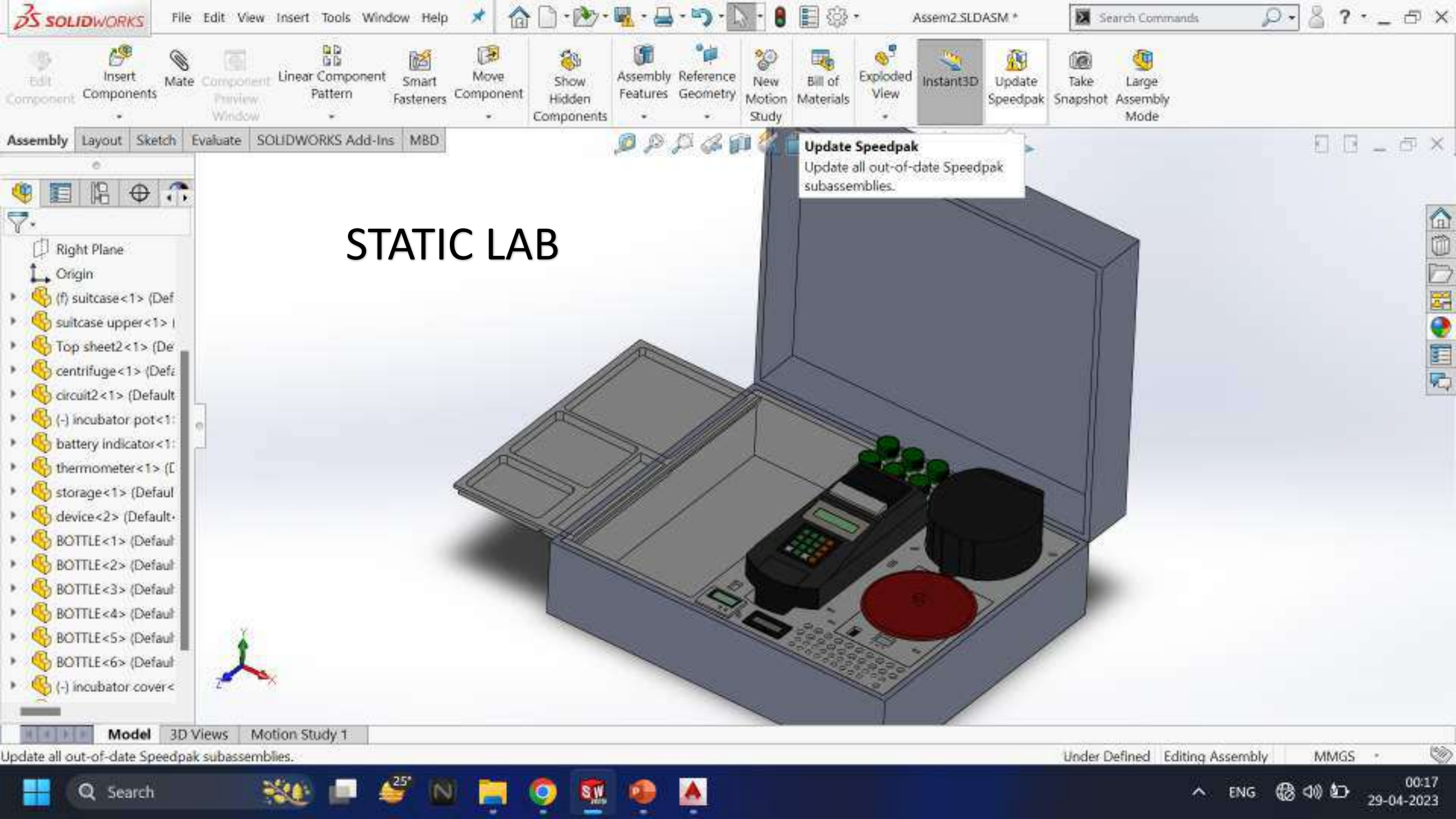


# BLOOD-PRESSURE MACHINE

bp machine (Default<<D)

- History
- Sensors
- Annotations
- Solid Bodies(1)
- Material <not specific
- Front Plane
- Top Plane
- Right Plane
- Origin
- Boss-Extrude1
- Plane1
- Cut-Extrude2
- Fillet1
- Split Line1
- Split Line2
- Split Line3
- Split Line5
- Plane2





# STATIC LAB

# PERFORATION KNIVES

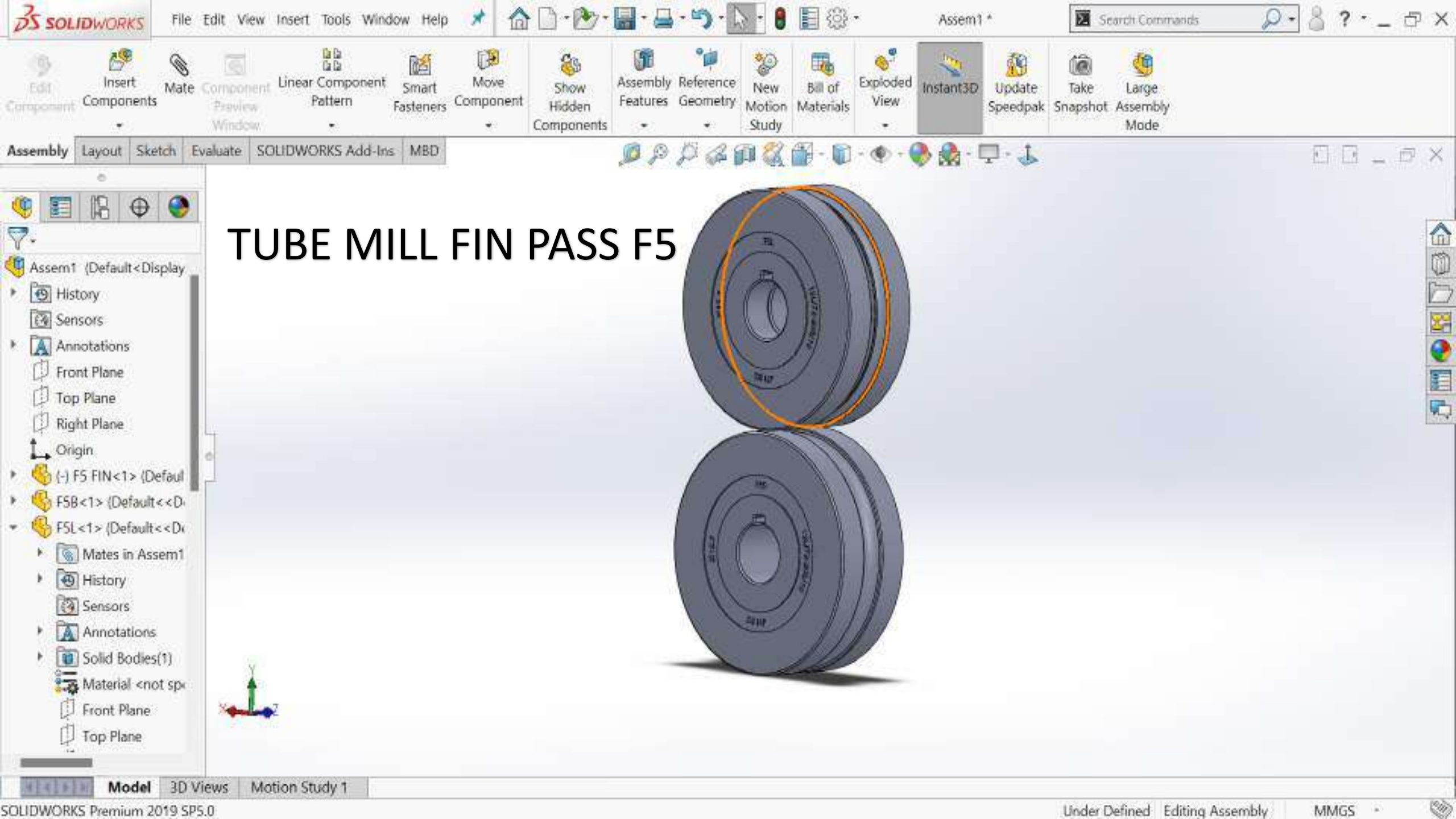


# MULTIPLE BLOCK KNIVES

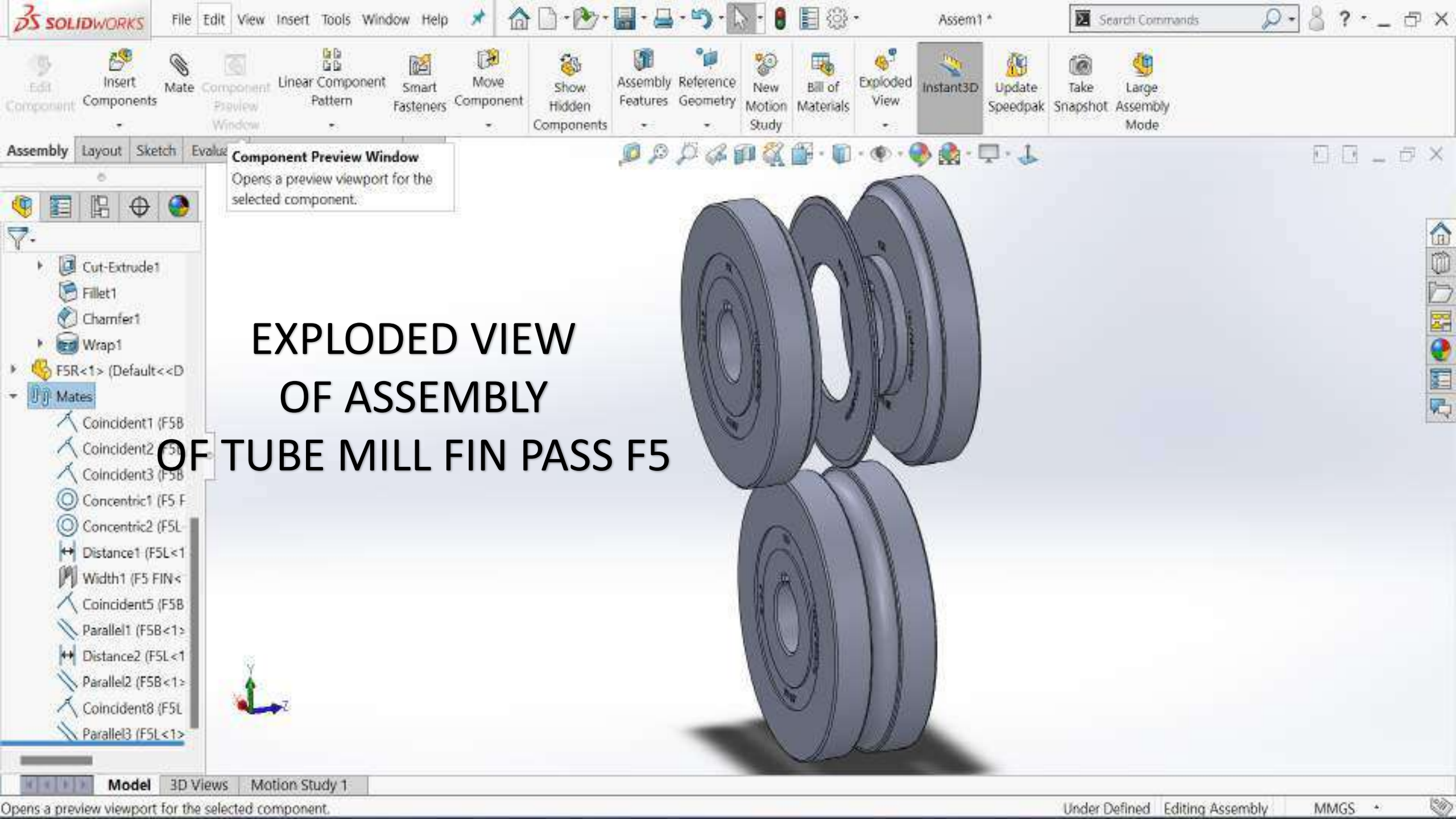


# C.O.C CUTTER





# TUBE MILL FIN PASS F5

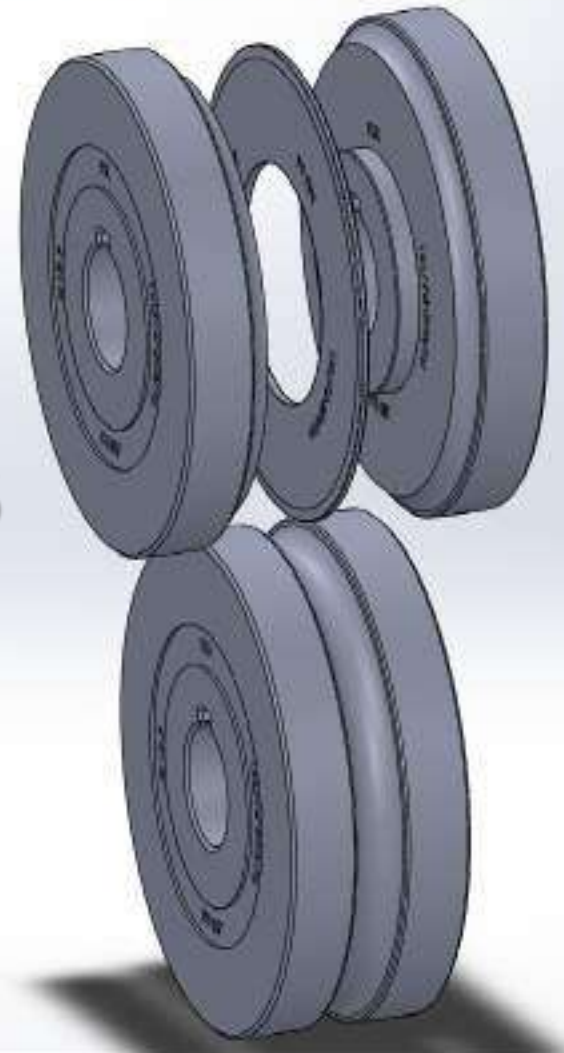


**Component Preview Window**  
Opens a preview viewport for the selected component.

Assembly Layout Sketch Evaluate

- Cut-Extrude1
- Fillet1
- Chamfer1
- Wrap1
- F5R<1> (Default<<D
- Mates
  - Coincident1 (F5B
  - Coincident2 (F5L
  - Coincident3 (F5B
  - Concentric1 (F5 F
  - Concentric2 (F5L
  - Distance1 (F5L<1
  - Width1 (F5 FIN<
  - Coincident5 (F5B
  - Parallel1 (F5B<1>
  - Distance2 (F5L<1
  - Parallel2 (F5B<1>
  - Coincident8 (F5L
  - Parallel3 (F5L<1>

# EXPLODED VIEW OF ASSEMBLY OF TUBE MILL FIN PASS F5

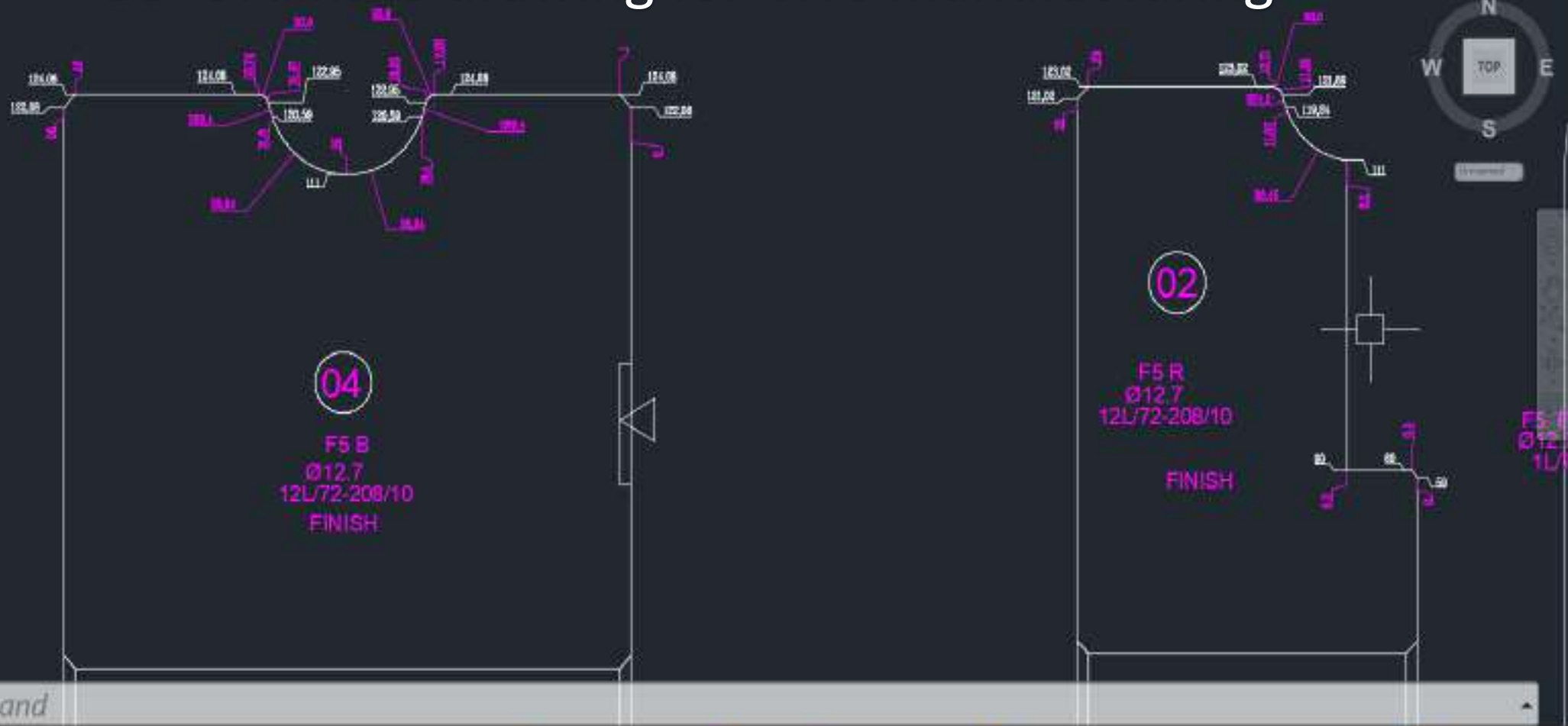




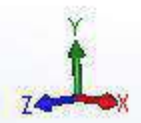
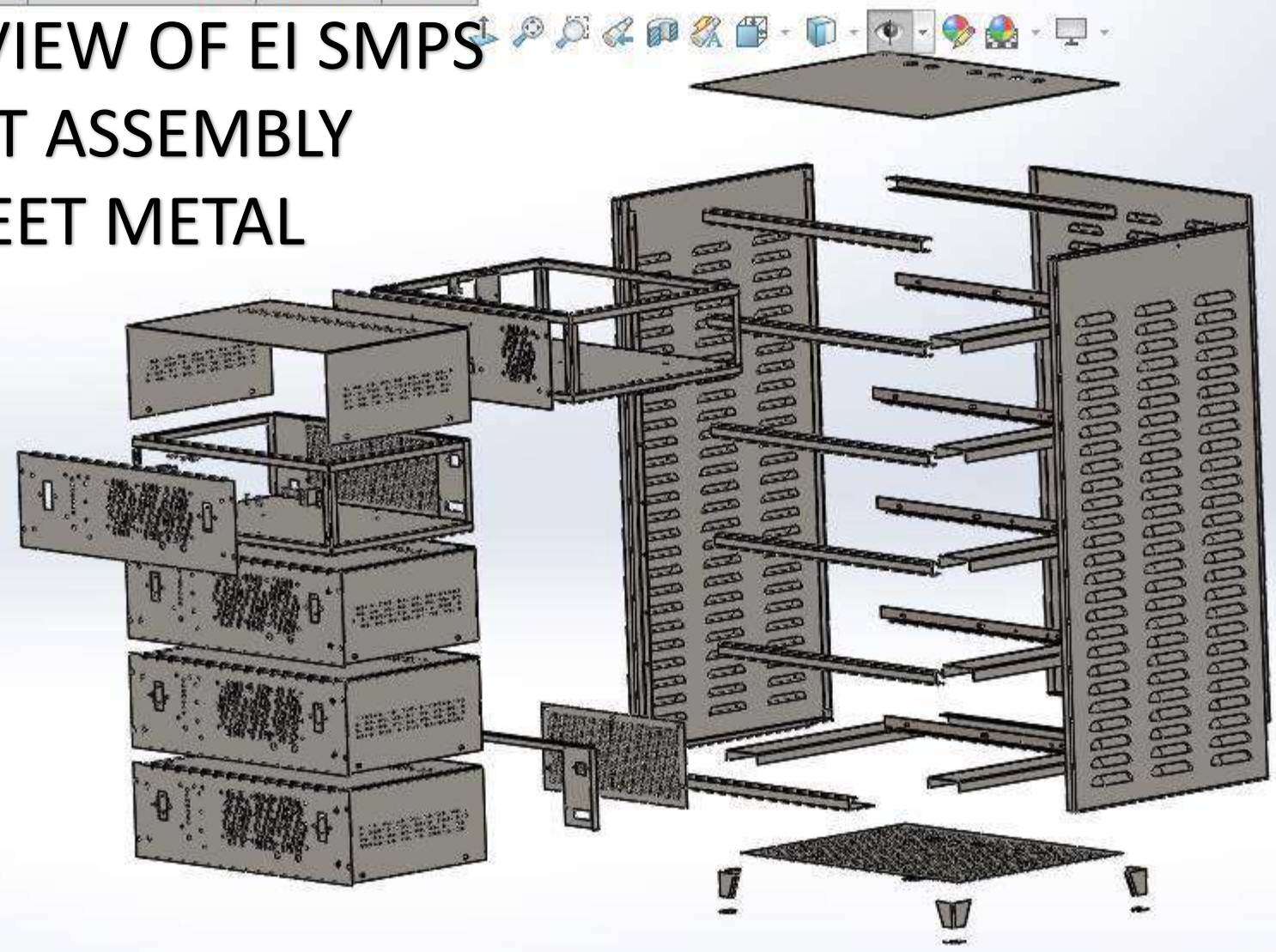


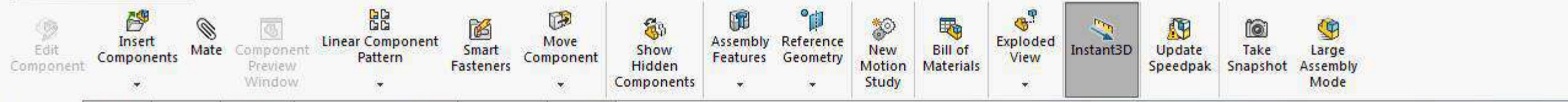


# CO-Ordinate drawing for CNC manufacturing

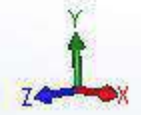


# EXPLODED VIEW OF EI SMPS CABINET ASSEMBLY IN SHEET METAL





# EI SMPS CABINET ASSEMBLY IN SHEET METAL



# EI SMPS CABINET ASSEMBLY IN SHEET METAL

Edit Sheet Format  
 Title Block Fields  
 Automatic Border

View Layout Annotation Sketch Evaluate SOLIDWORKS Add-Ins Sheet Format 00 200 300

D  
 C  
 B  
 A

00 200 300

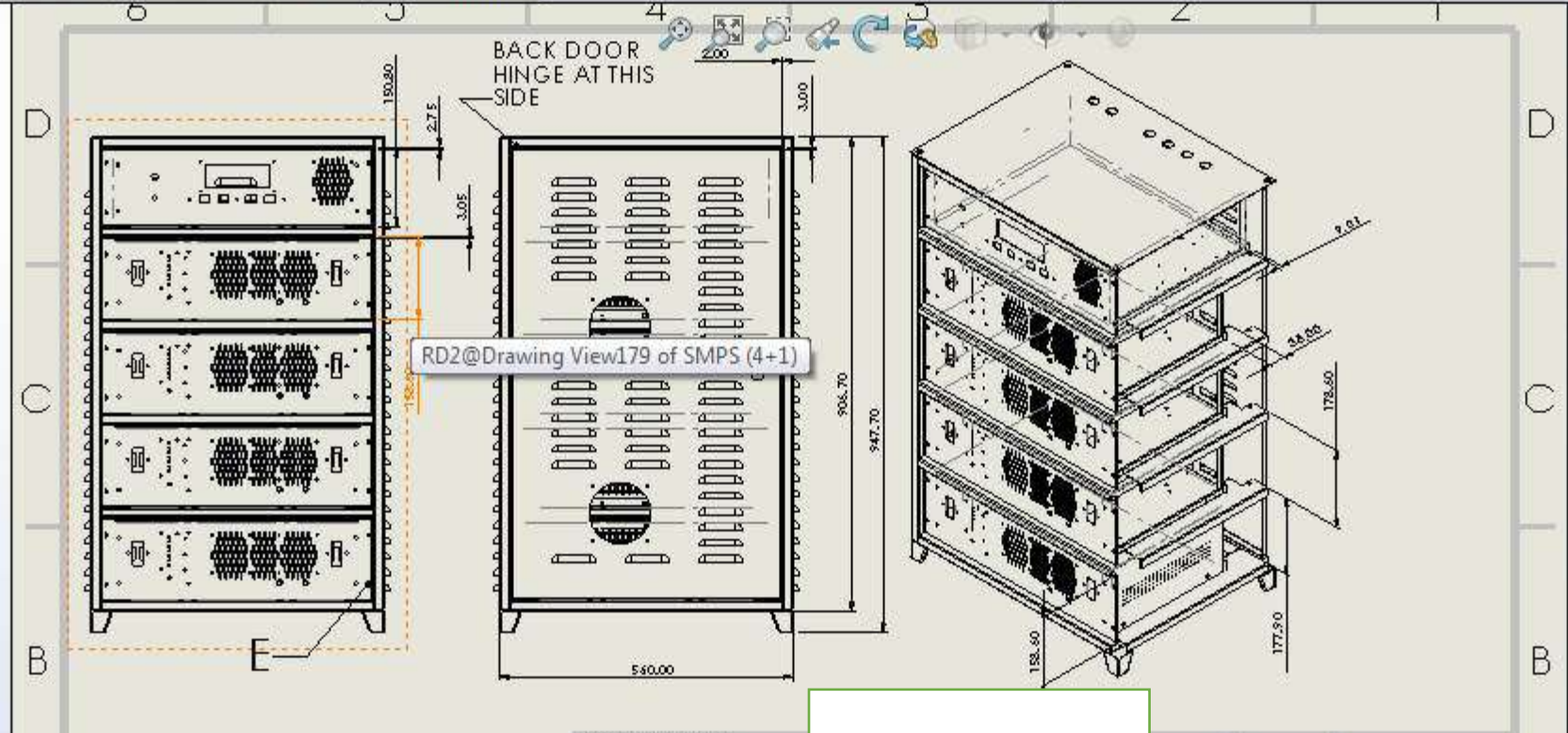
DIMENSIONS ARE IN MILLIMETERS  
 DO NOT SCALE DRAWING  
 GENERAL TOLERANCES AS PER ISO 2768-M

QTY	0.05	0.1	0.2	0.5	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0	10.0	15.0	20.0	30.0	40.0	50.0	60.0	80.0	100.0
UP TO	0.1	0.2	0.5	1.0	1.5	2.0	3.0	4.0	5.0	6.0	8.0	10.0	15.0	20.0	30.0	40.0	50.0	60.0	80.0	100.0	

NAME: HUSVANI  
 SIGNATURE:   
 DATE: 15/02/2022

TITLE: EI/SMPS/4+1  
 DWG NO. 01  
 A4

# EI SMPS CABINET ASSEMBLY IN SHEET METAL



⊙

**DETAIL E**  
SCALE 1:1

DIMENSIONS ARE IN MILLIMETERS DO NOT SCALE DIMENSIONS										
GIVE ALL DIMENSIONS AS PRECISE AS YOU CAN										
DATE	05	4	30	120	+00	1000	2000	FEAT. LENGTH	OTHER AND	
UP TO	4	50	120	+00	1000	2000	+0000		SHARP	
	+	0.1	0.2	0.5	0.5	1.2	2		EDGES	
Length in mm or diameter or angle	ANGULAR DIMENSIONS									
-	10	21"								
10	20	30"								
20	120	20"								
120	+00	20"								
+00	+00	20"								

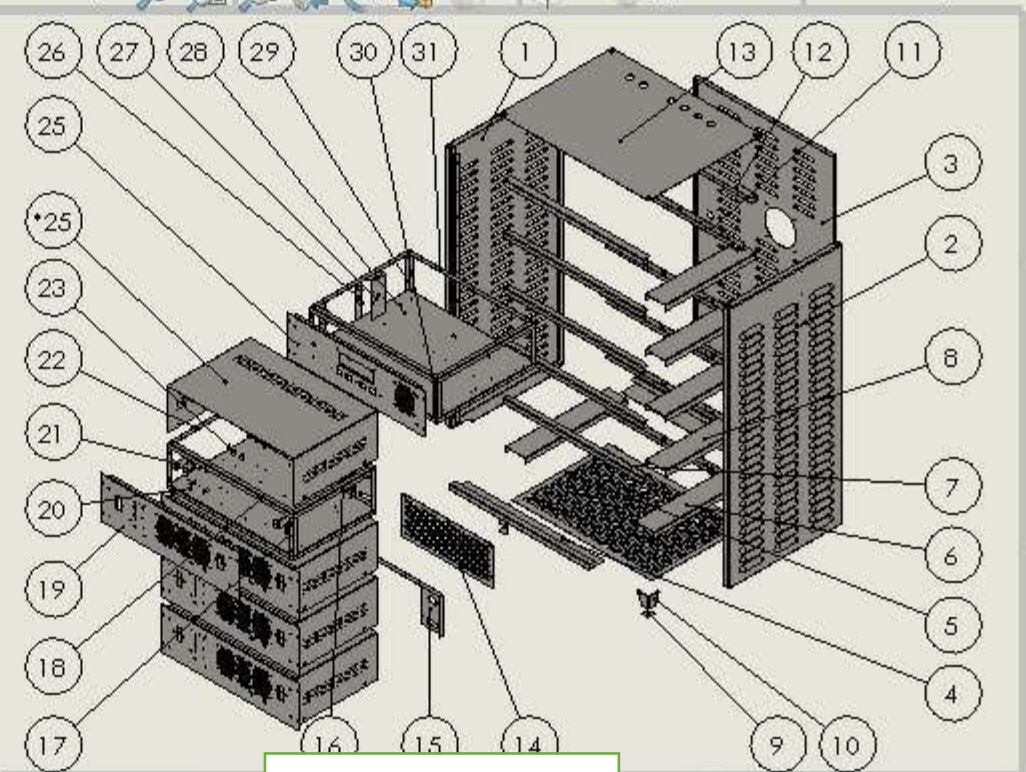
DESIGNER:	
DATE:	15/02/2022
TITLE:	FRONT SIDE ANGLE(M)
DWG NO.:	38
SCALE:	1:1
SHEET:	37 OF 37

# EI SMPS CABINET ASSEMBLY IN SHEET METAL

Edit Sheet Format Title Block Fields Automatic Border

View Layout Annotation Sketch Evaluate SOLIDWORKS Add-Ins Sheet Format 200 300

ITEM NO.	PART NUMBER	QTY.
1	425X905.2mm LH	1
2	425X905.2mm RH	1
3	Back Door	1
4	Bottom Channel	2
5	Bottom Mesh	1
6	Bottom- Side Channel	2
7	Front Channel	4
8	Inner Module Channel RH	4
9	Leg Base Strip	4
10	Leg	4
11	Module Back Support Clamp	5
12	Top Channel	2
13	Top Plate	1
14	Back Side Mesh (M)	4
15	Back Plate (M)	4
16	RHS Angle (M)	4
17	Front Side Angle (M)	8
18	Front angle (M)	4
19	Front Plate (M)	4
20	Base Plate (M)	4
21	Single MCB Clamp (M)	16
22	LHS Angle (M)	4
23	Bush 3x15 (OD 8mm)	43
*25	*Module Top Cover (M)	4
25	Front Plate (TM)	1
26	PCB Holding Strips (TM)	2
27	LHS Range (TM)	1
28	Base Plate (TM)	1
29	Back Side Angle (TM)	2
30	Front Side Angle (TM)	2
31	Top Side Angle (TM)	2



**DIMENSIONS ARE IN MILLIMETERS DO NOT SCALE DRAWING**

CHAMFER	DEPTH	ANGLE	CHAMFER	DEPTH	ANGLE
0.1	0.1	45	0.1	0.1	45
0.2	0.2	45	0.2	0.2	45
0.3	0.3	45	0.3	0.3	45
0.5	0.5	45	0.5	0.5	45
0.6	0.6	45	0.6	0.6	45
1.2	1.2	45	1.2	1.2	45
2	2	45	2	2	45

DATE: 15/02/2022

WATERMARK: MB

REVISION:

TITLE: EI/SMPS/(4+1) A

DWG NO. 02

SCALE: 1:10

SHT 2 OF 17

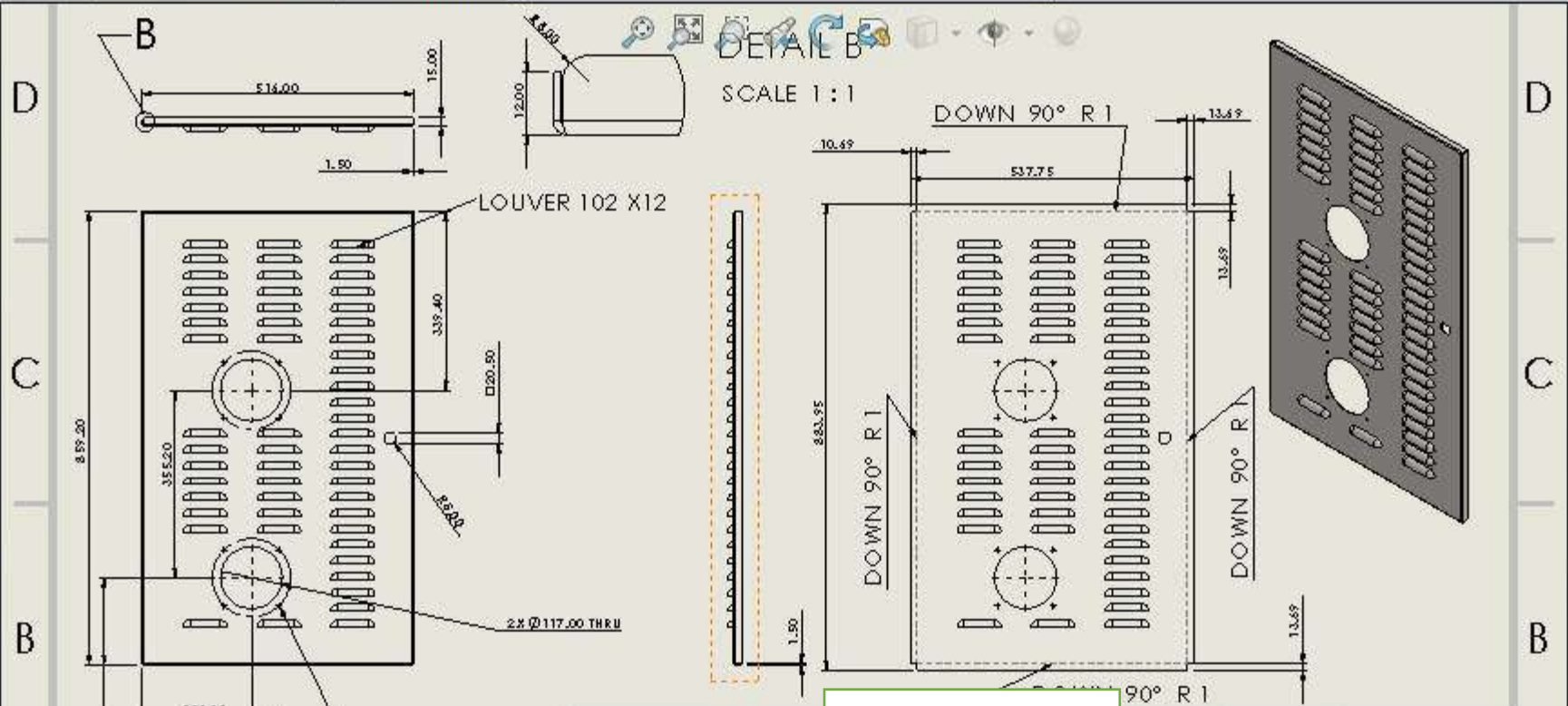
\*Note: Module Top Cover if vendor requirement



# EI SMPS CABINET BACK DOOR IN SHEET METAL

Edit Sheet Format  
Title Block Fields  
Automatic Border

View Layout Annotation Sketch Evaluate SOLIDWORKS Add-Ins Sheet Format 100 200 300



DIMENSIONS ARE IN MILLIMETERS  
DO NOT SCALE DRAWING

DIFFERENTIALS	UP TO	DOWN TO	UP TO	DOWN TO	UP TO	DOWN TO	UP TO	DOWN TO
0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
1.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
5.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
6.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
7.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
8.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
9.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
10.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
12.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
14.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
15.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
16.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
17.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
18.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
19.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
20.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
21.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
22.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
23.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
24.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
25.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
26.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
27.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
28.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
29.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
30.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
31.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
32.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
33.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
34.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
35.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
36.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
37.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
38.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
39.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
40.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
41.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
42.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
43.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
44.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
45.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
46.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
47.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
48.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
49.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
50.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
51.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
52.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
53.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
54.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
55.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
56.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
58.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
59.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
60.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
61.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
62.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
63.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
64.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
65.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
66.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
67.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
68.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
69.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
71.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
72.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
73.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
75.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
76.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
77.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
78.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
79.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
80.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
81.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
82.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
85.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
86.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
87.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
91.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
93.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
95.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0	101.0
100.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0

REVISION:

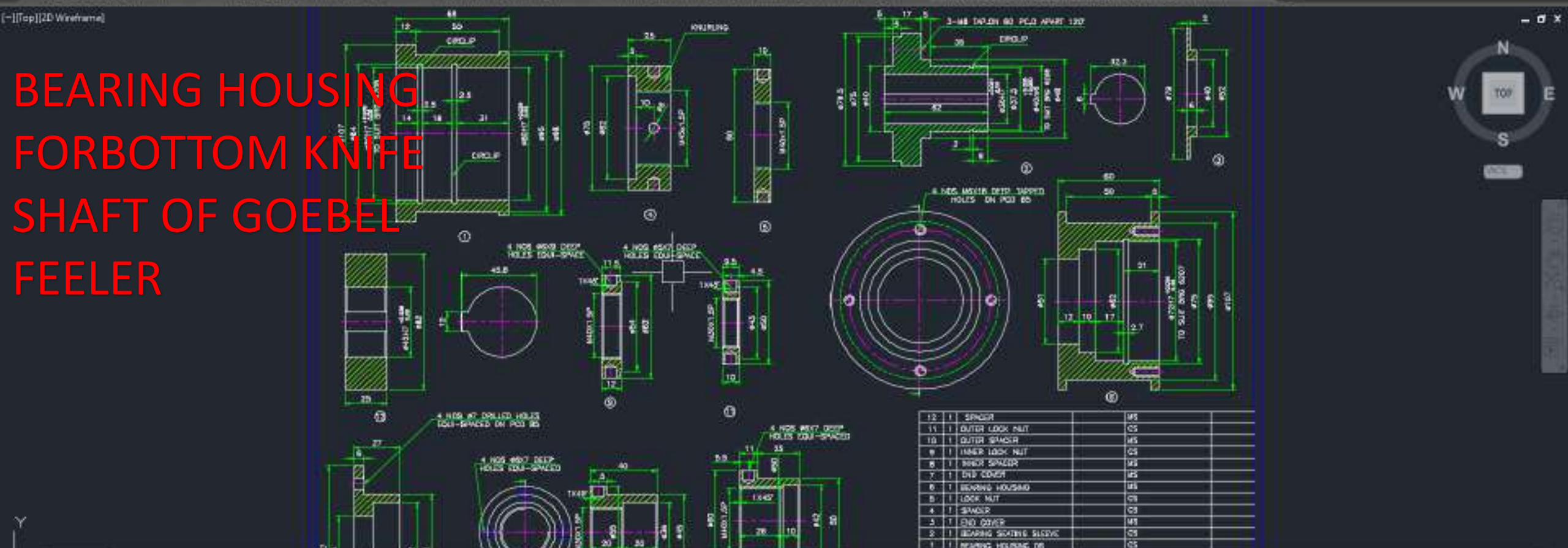
DATE: 15/02/2022

TITLE: BACK DOOR

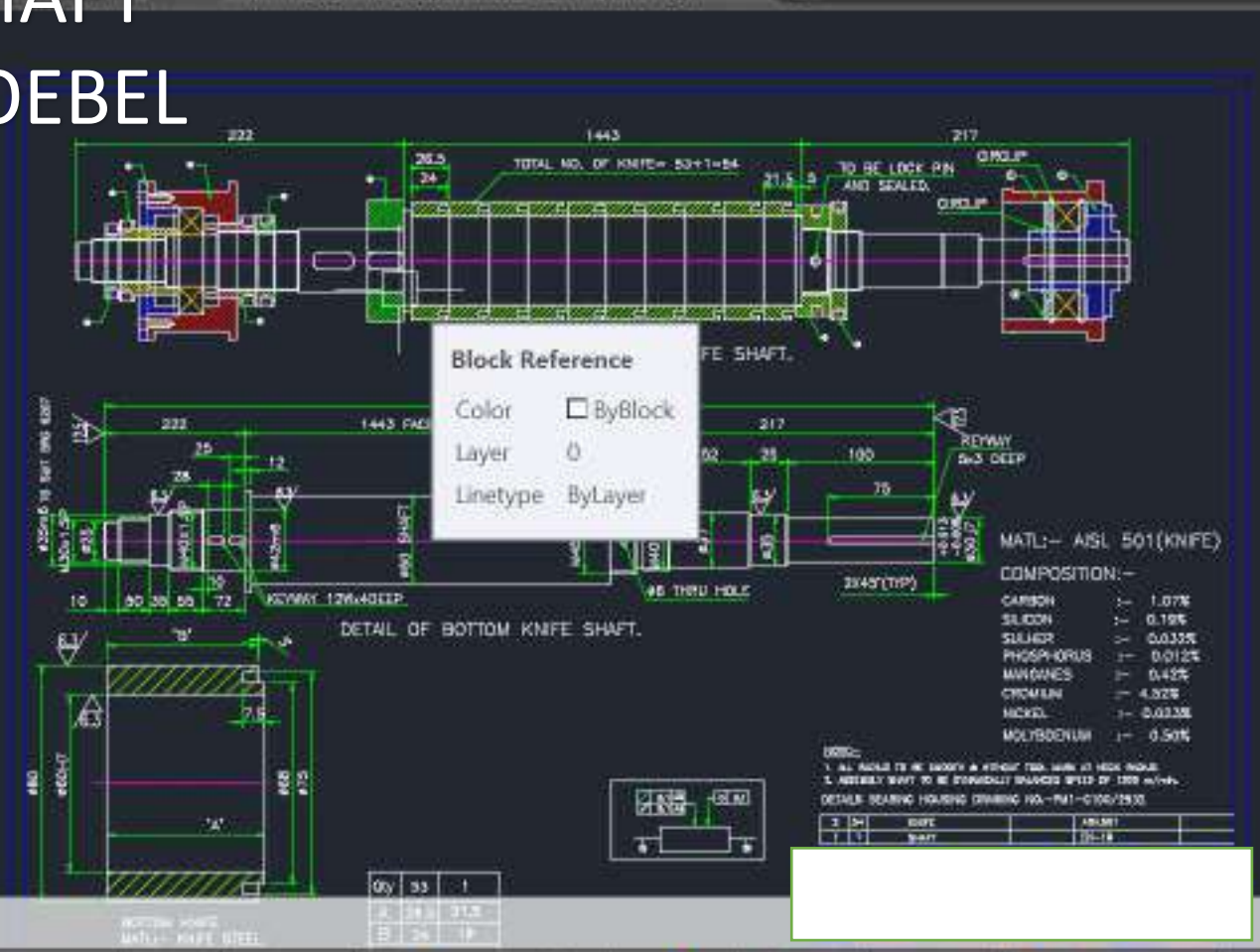
DWG NO. 05

SCALE: 1:1

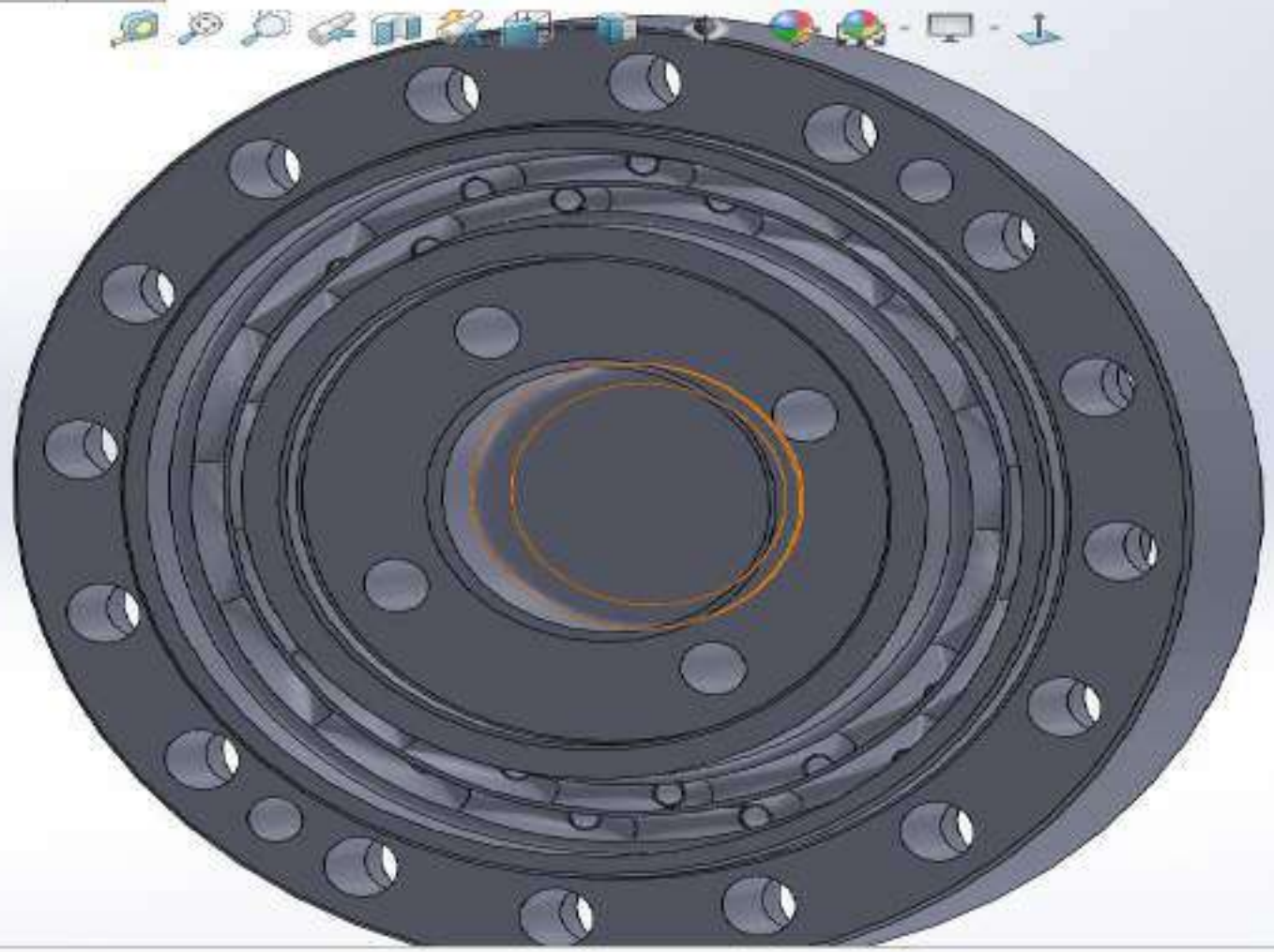
SHEET 5 OF 17



# BOTTOM KNIFE SHAFT ASSEMBLY FOR GOEBEL SLITTER AT 1 & 2



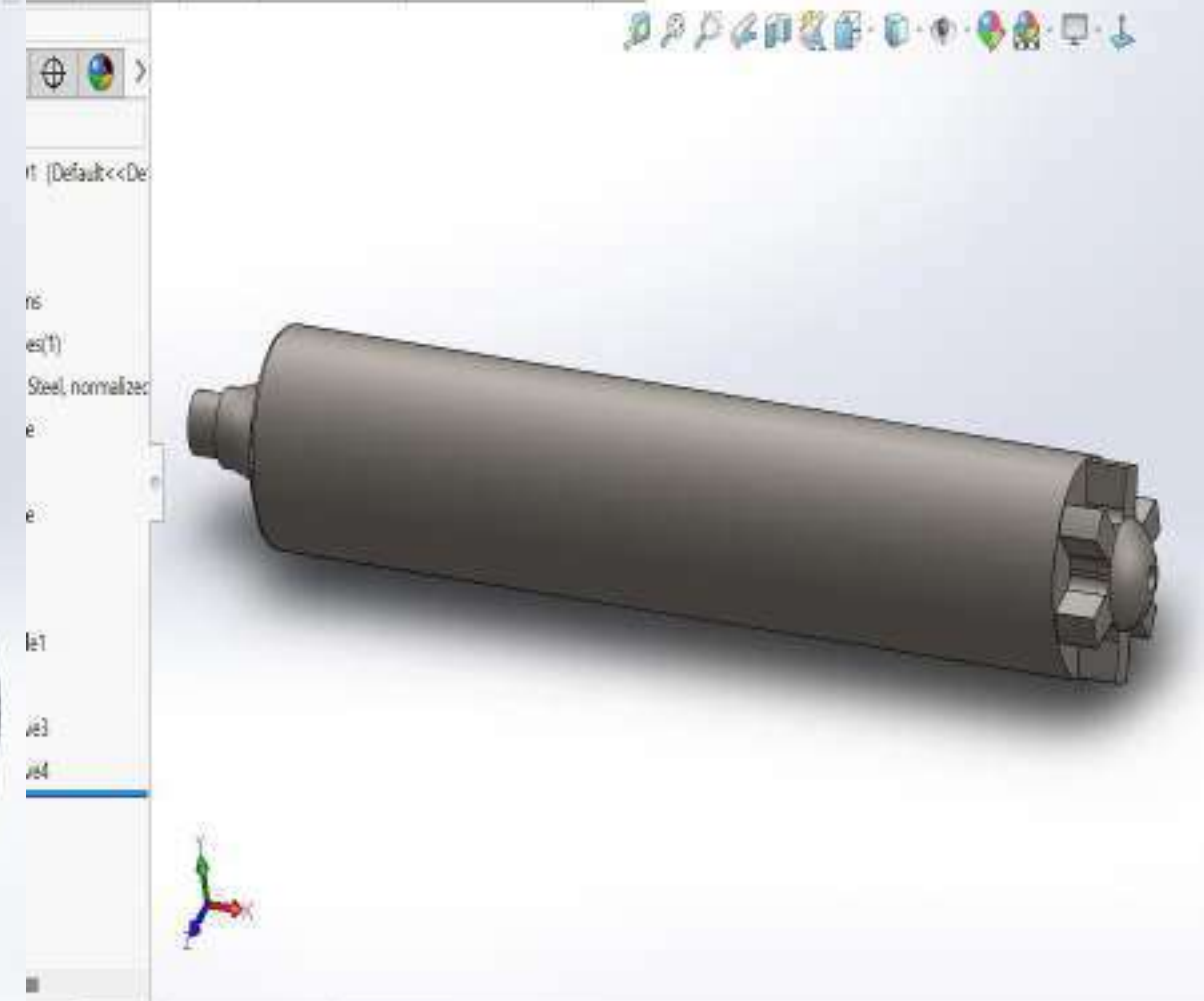




Swept Boss/Base Extruded Cut Hole Wizard Revolved Cut Lofted Cut Boundary Cut Fillet Linear Pattern Draft Intersect Shell Mirror Reference Geometry Curves Instant3D Normal To

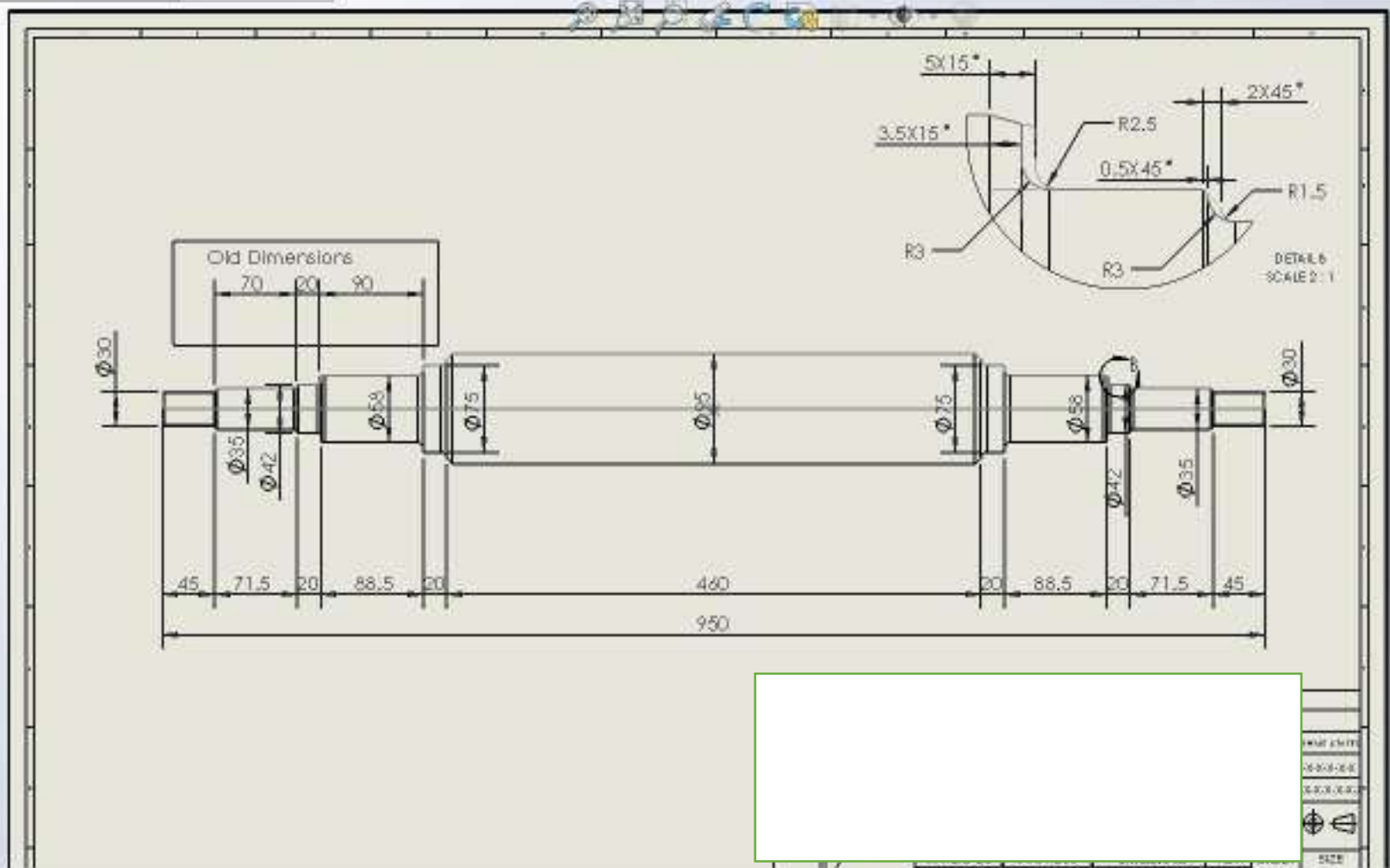
Swept Boss/Base Lofted Boss/Base Boundary Boss/Base Extruded Cut Hole Wizard Revolved Cut Lofted Cut Boundary Cut Fillet Linear Pattern Draft Intersect Shell Mirror Reference Geometry Curves Instant3D Normal To

Wrap Wraps closed sketch contour(s) onto a face.



112206L000002

- Blocks
- Annotations
- Sheet1
  - Sheet Format1
  - Drawing View2
  - Detail View B (2 : 1)



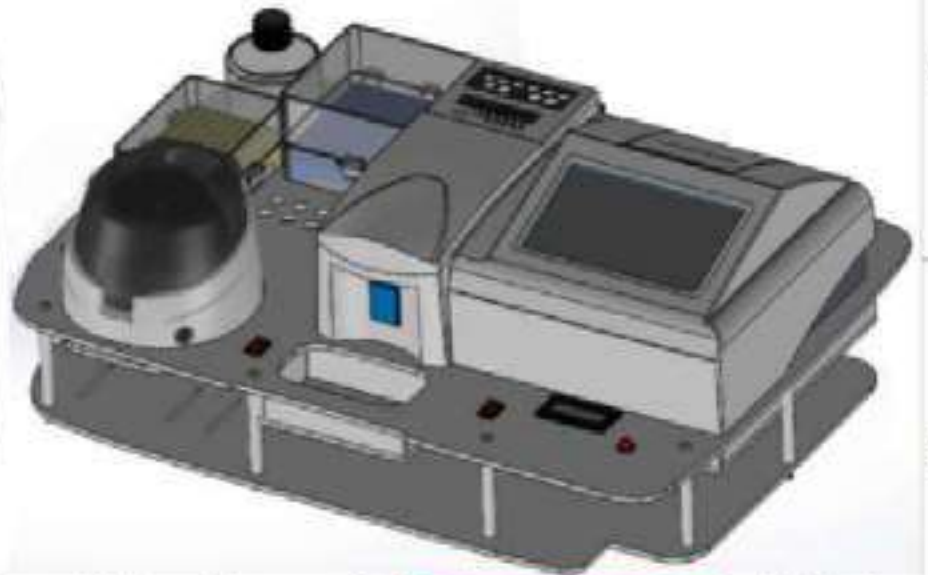
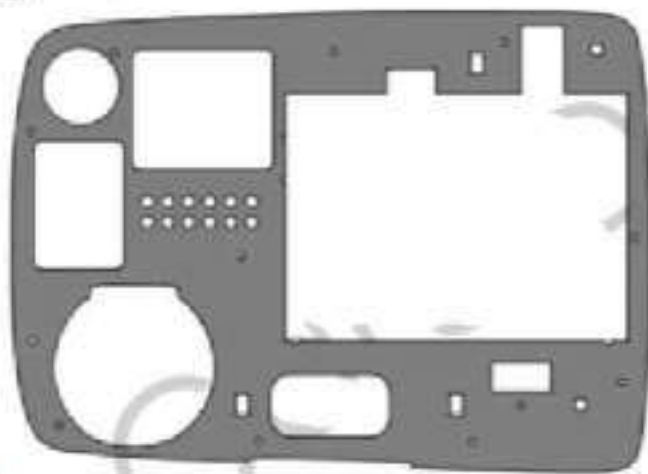
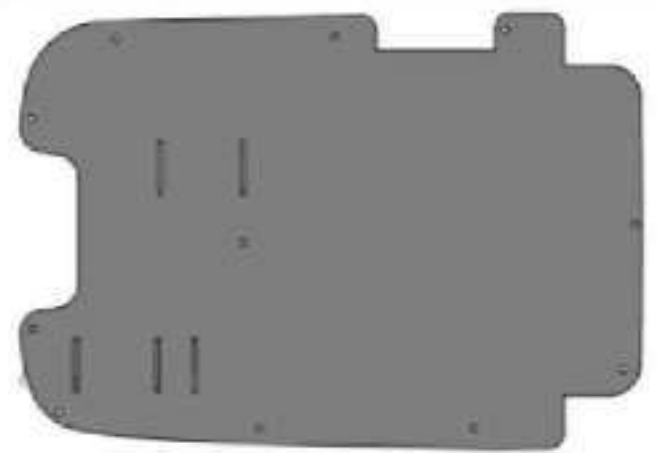
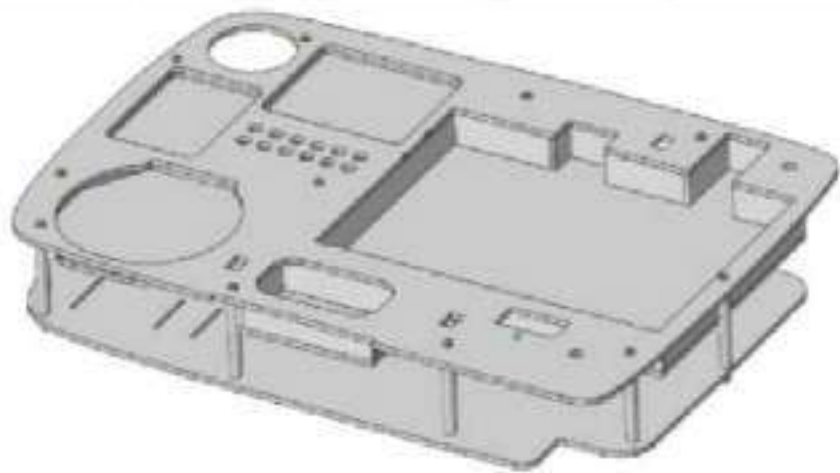
- Home
  - OneDrive - Perso
  - Downloads
  - Documents
  - Desktop
  - Pictures
  - Music
  - Videos
  - This PC
    - Autodesk 360
    - Local Disk (C:)
    - Data (D:)
    - حسين (E:)
    - Husnain (F:)
- 65 items |

 2L-402.SLDPRT	 2L-403.SLDPRT	 2L-404.DWG	 2L-404.SLDPRT	 50.SLDPRT	 51.SLDPRT	 52.SLDPRT	 54.SLDPRT	 58.SLDPRT	 59.SLDPRT
 254.5x106.8.SLD PRT	 254x105.SLDPRT	 609.SLDPRT	 610.SLDPRT	 611.SLDPRT	 612.SLDPRT	 613.SLDPRT	 614.SLDPRT	 615.SLDPRT	 616.SLDPRT
 617.SLDPRT	 618.SLDPRT	 622.SLDPRT	 626.SLDPRT	 1228.SLDPRT	 122201L00001.S LDPRT	 122201L00002.S LDPRT	 122202L00001.S LDPRT	 122202L00002.S LDPRT	 122202L00003.S LDPRT
 1222121107.SLD PRT	 FF2 25.4.SLDPRT	 FF125.4.SLDPRT	 Part1.SLDPRT	 Part3.SLDPRT	 Part4.SLDPRT	 S1T-B.SLDPRT	 S2T-B.SLDPRT	 S3T-B.SLDPRT	 SQZ LR.SLDPRT



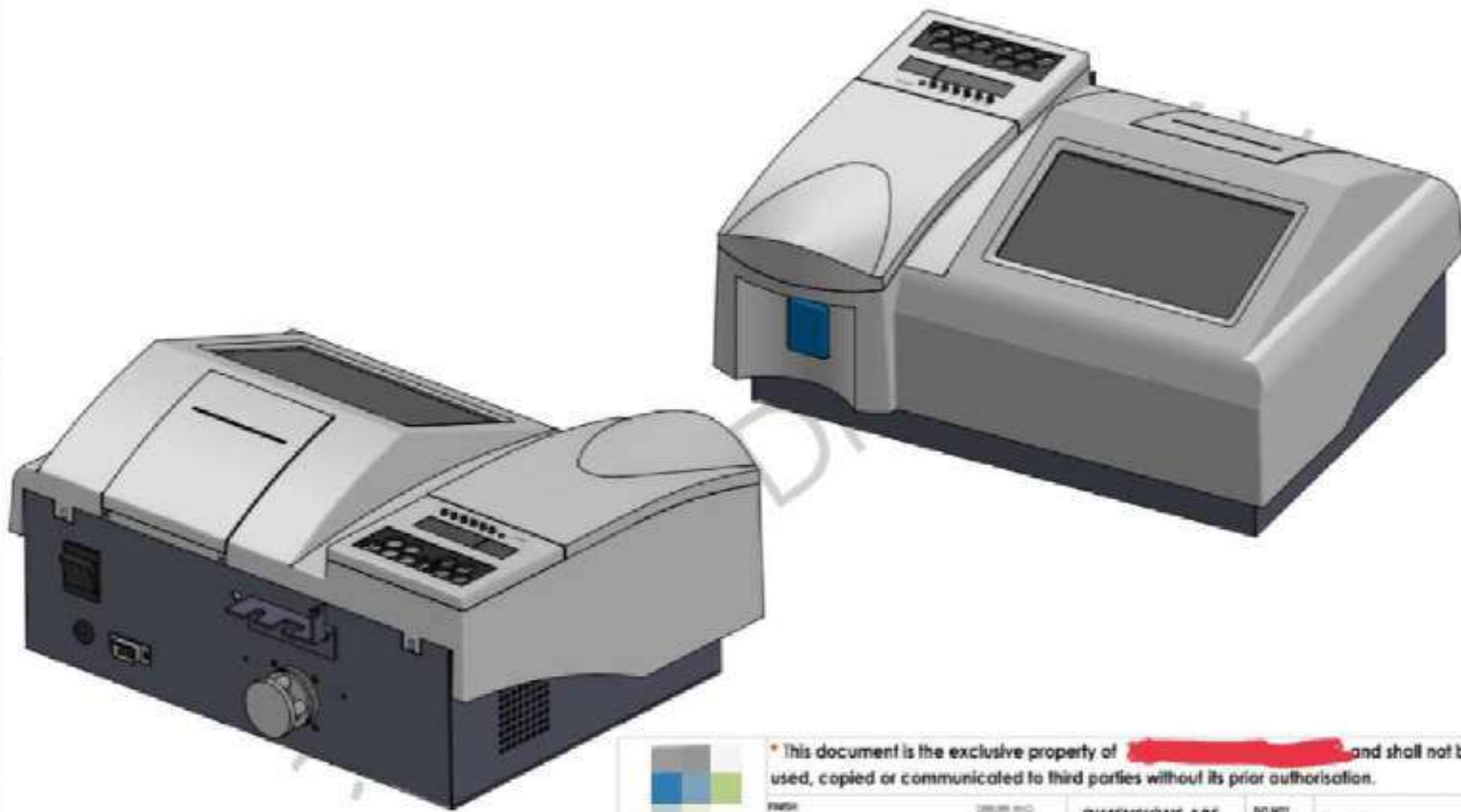
\* This document is the exclusive property of [REDACTED] and shall not be used, copied or communicated to third parties without its prior authorisation.

		FINISH:		DIMENSIONS ARE IN MILLIMETERS		DO NOT SCALE DRAWING		DIVISION:	
DRAWN: ANOCHI MOGOUNI		DATE: 01.06.2024		REMARKS:		<input type="checkbox"/>			
CHECK:		APPROVED:		TITLE: PORTABLE DIAGNOSTIC LAB		A4			
QA:		QC:		MATERIAL:		DWG NO. ACCD-240601-PDL-ASSM		A4	
CODE:		SCALE: 1:1 (1/1)		SHEET 1 OF 11					



 \* This document is the exclusive property of [REDACTED] and shall not be used, copied or communicated to third parties without its prior authorisation.

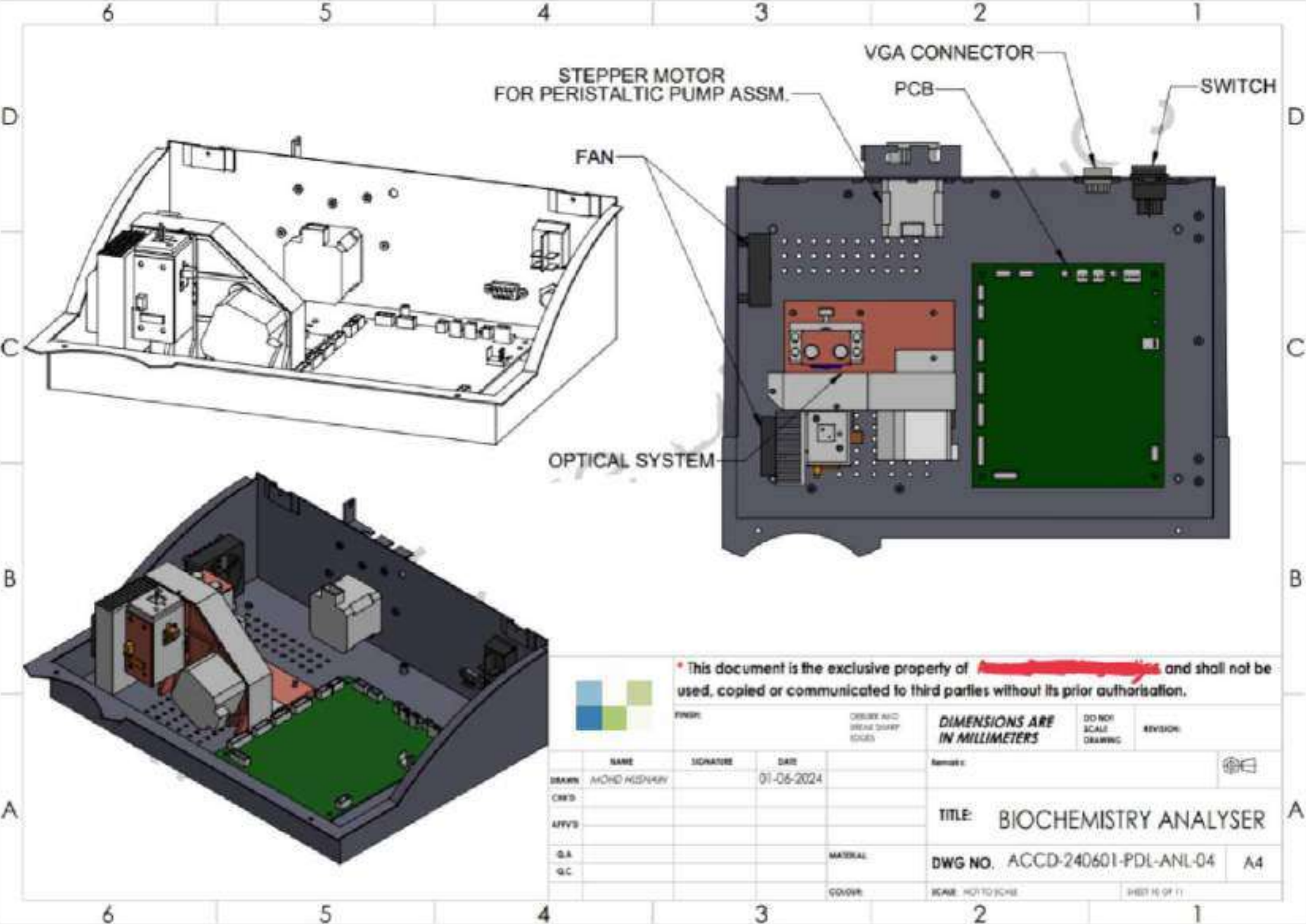
DRAWN		NAME		SIGNATURE		DATE		DESIGN P.O. BREAK DOWN EDIT		<b><i>DIMENSIONS ARE IN MILLIMETERS</i></b>		DO NOT SCALE DRAWING		REVISION	
CHG'D						01-06-2024				Format					
APP'VD										TITLE:		PORTABLE DIAGNOSTIC LAB			
QA								MATERIAL		DWG NO. ACCD-240601-PDL-ASSM-01		A4			
QC								COLOR		SCALE: 1:1 TO SCALE		SHEET 2 OF 11			



\* This document is the exclusive property of [REDACTED] and shall not be used, copied or communicated to third parties without its prior authorisation.

		FINISH <small>ORDER AND READ SHEET SCALE</small>	<b><i>DIMENSIONS ARE IN MILLIMETERS</i></b>	<small>DO NOT SCALE DRAWING</small>	EDITION:
DRAWN:	NAME:	SIGNATURE:	DATE:	Remark:	
CHECKED:	MICHO HESLAIN		01-06-2024		
APPROVED:				<b>TITLE: BIOCHEMISTRY ANALYSER</b>	
G.A:			MATERIAL:	DWG NO. ACCD-240601-PDL-ANL-01	A4
G.C:			COLOR:	SCALE: 1:1 TO SCALE	SHEET 7 OF 11





STEPPER MOTOR FOR PERISTALTIC PUMP ASSM.

VGA CONNECTOR

PCB

SWITCH

FAN

OPTICAL SYSTEM

This document is the exclusive property of [REDACTED] and shall not be used, copied or communicated to third parties without its prior authorisation.



FINISH:

DELETE AND WEAR SHARP EDGES

***DIMENSIONS ARE IN MILLIMETERS***

DO NOT SCALE DRAWING

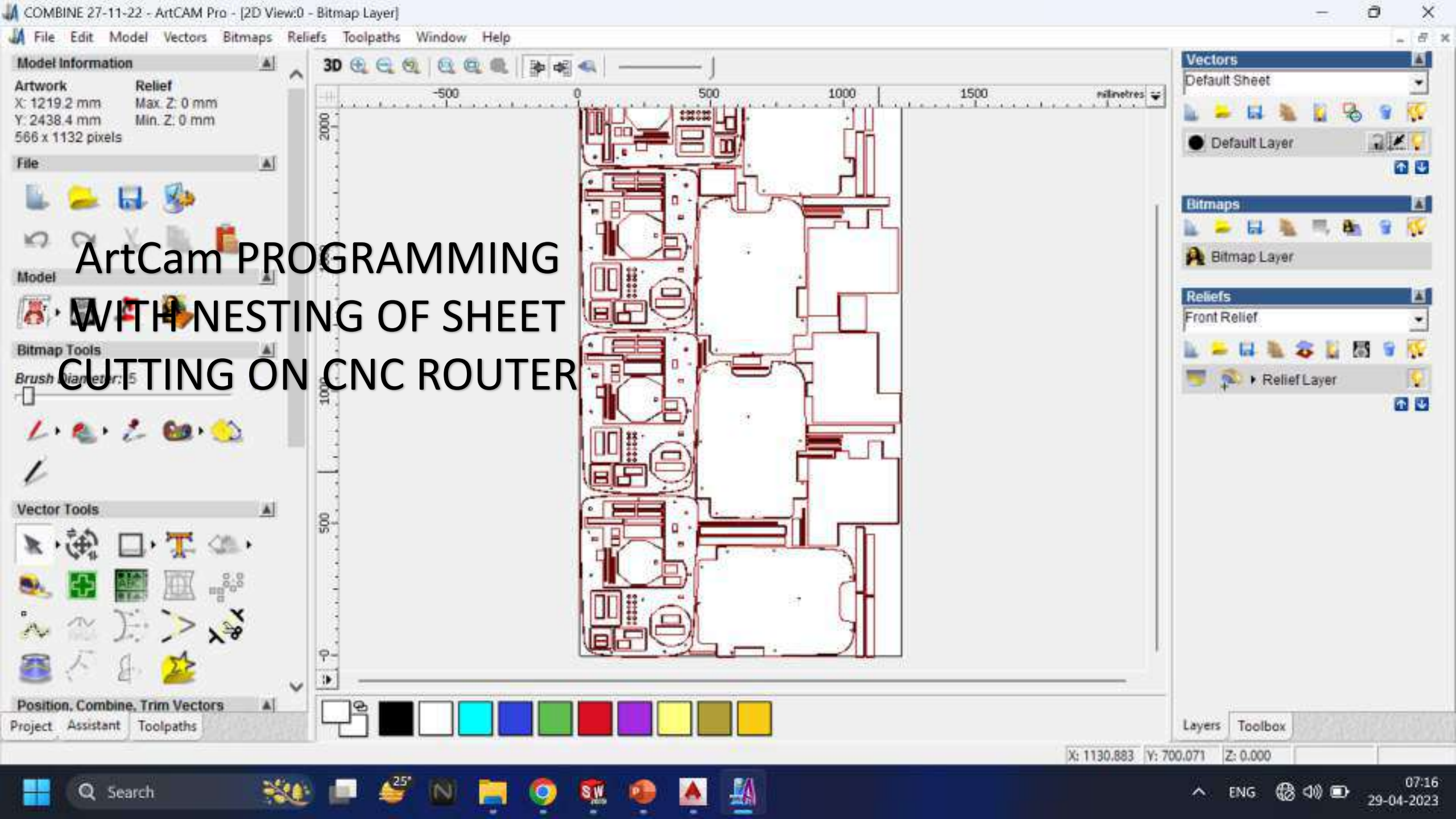
REVISION:

	NAME	SIGNATURE	DATE
DRAWN	MICHAEL HIGGINS		01-06-2024
CHK'D			
APP'VD			
I.S.A			
I.Q.C			

TITLE: **BIOCHEMISTRY ANALYSER**

DWG NO. ACCD-240601-PDL-ANL-04 A4

SCALE: NOT TO SCALE SHEET 10 OF 11



# ArtCam PROGRAMMING WITH NESTING OF SHEET CUTTING ON CNC ROUTER

**Model Information**

<b>Artwork</b>	<b>Relief</b>
X: 1219.2 mm	Max. Z: 0 mm
Y: 2438.4 mm	Min. Z: 0 mm
566 x 1132 pixels	

**File**

**Model**

**Bitmap Tools**  
Brush Diameter: 5

**Vector Tools**

**Position, Combine, Trim Vectors**

Project Assistant Toolpaths

**3D**

-500 0 500 1000 1500 millimetres

2000 1000 500 0

X: 1130.883 Y: 700.071 Z: 0.000

Color palette: Black, White, Cyan, Blue, Green, Red, Purple, Yellow, Olive, Gold

**Vectors**

Default Sheet

Default Layer

**Bitmaps**

Bitmap Layer

**Reliefs**

Front Relief

Relief Layer

Layers Toolbox

Show in 2D|3D

- [21-sheet4 inside] End Mill 3 mm
- [22-sheet4 out] End Mill 3 mm
- [23-bottomsheet4 out] End Mill 3 mm
- [24-sheet4 strip] End Mill 3 mm

Draw Solid

Draw Wireframe

Toolpath Operations

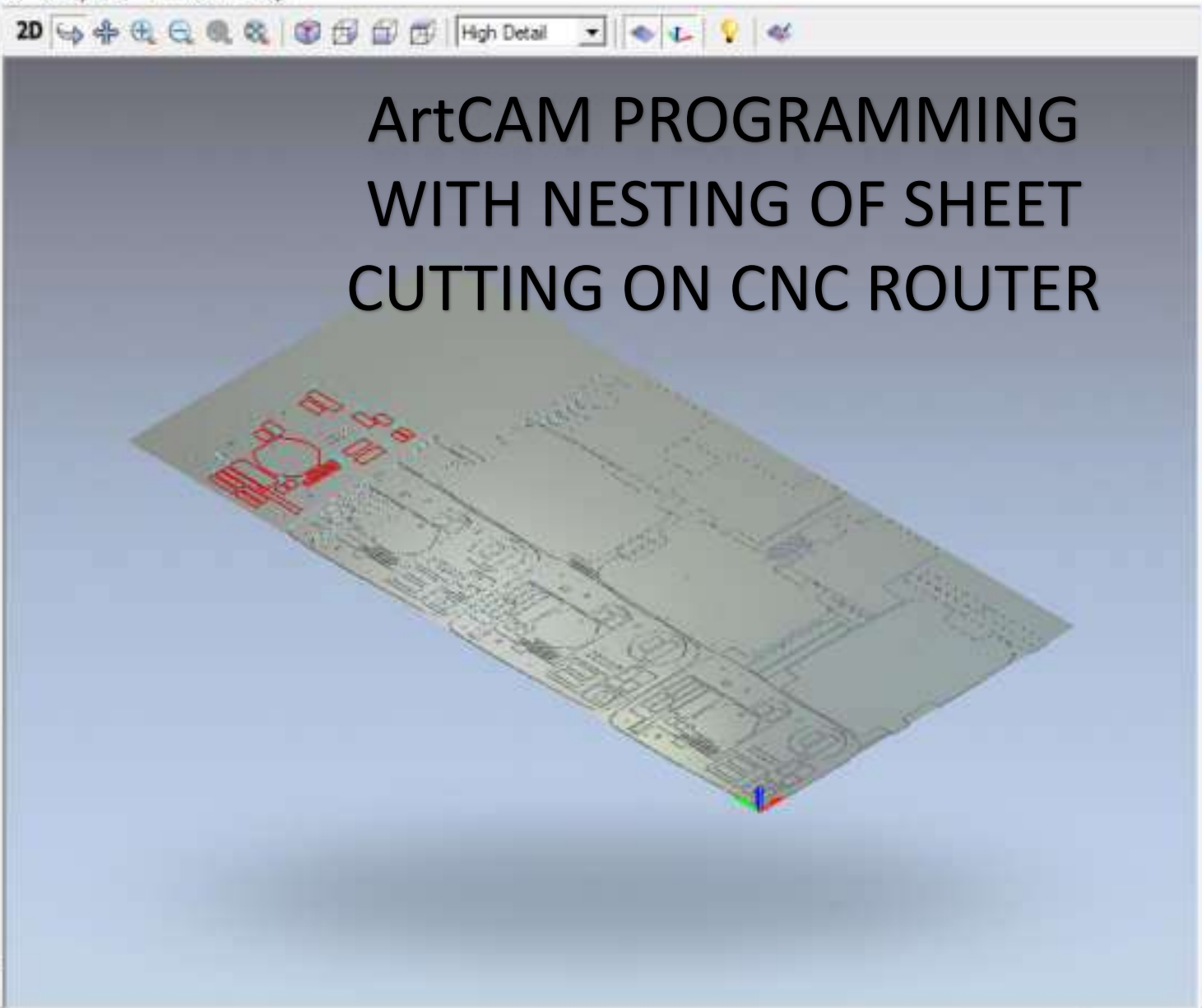
2D Toolpaths

3D Toolpaths

Toolpath Simulation

Draw  Inside Vector

Project Assistant Toolpaths



# ArtCAM PROGRAMMING WITH NESTING OF SHEET CUTTING ON CNC ROUTER

Vectors

Default Sheet

Press Alt + Z to use GeForce Experience in-game overlay

Bitmaps

Bitmap Layer

Reliefs

Front Relief

Relief Layer

Layers Toolbox

THANK YOU!