

# 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.

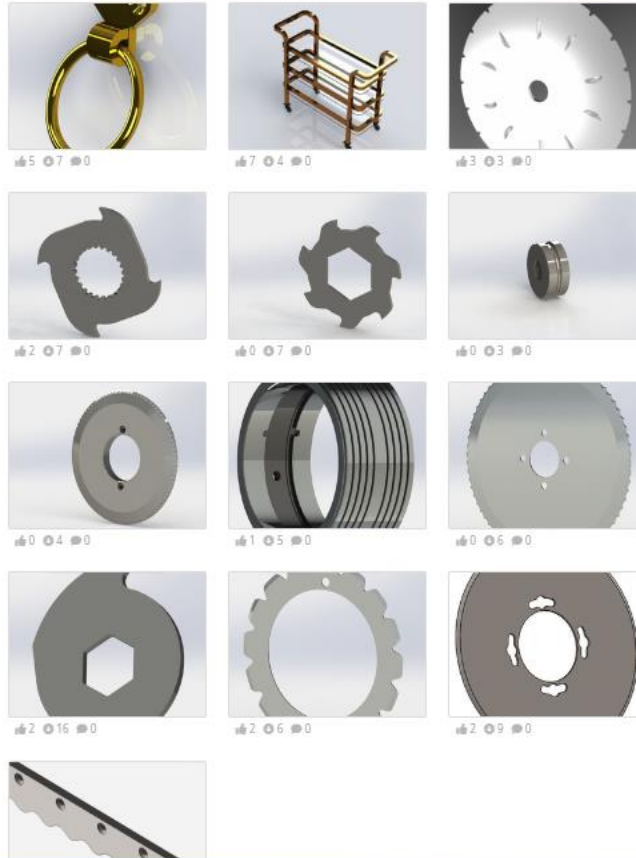
It is my hope that this will allow you to better assess how my skills can be applied to your company.

About Models 13 Tutorials 0 More ▾

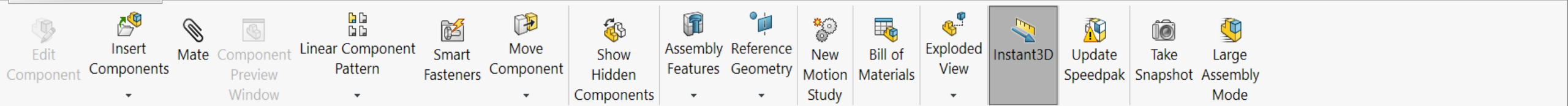
# GRABCAD LIBRARY

Models

Sort by: Recent Upload a new model



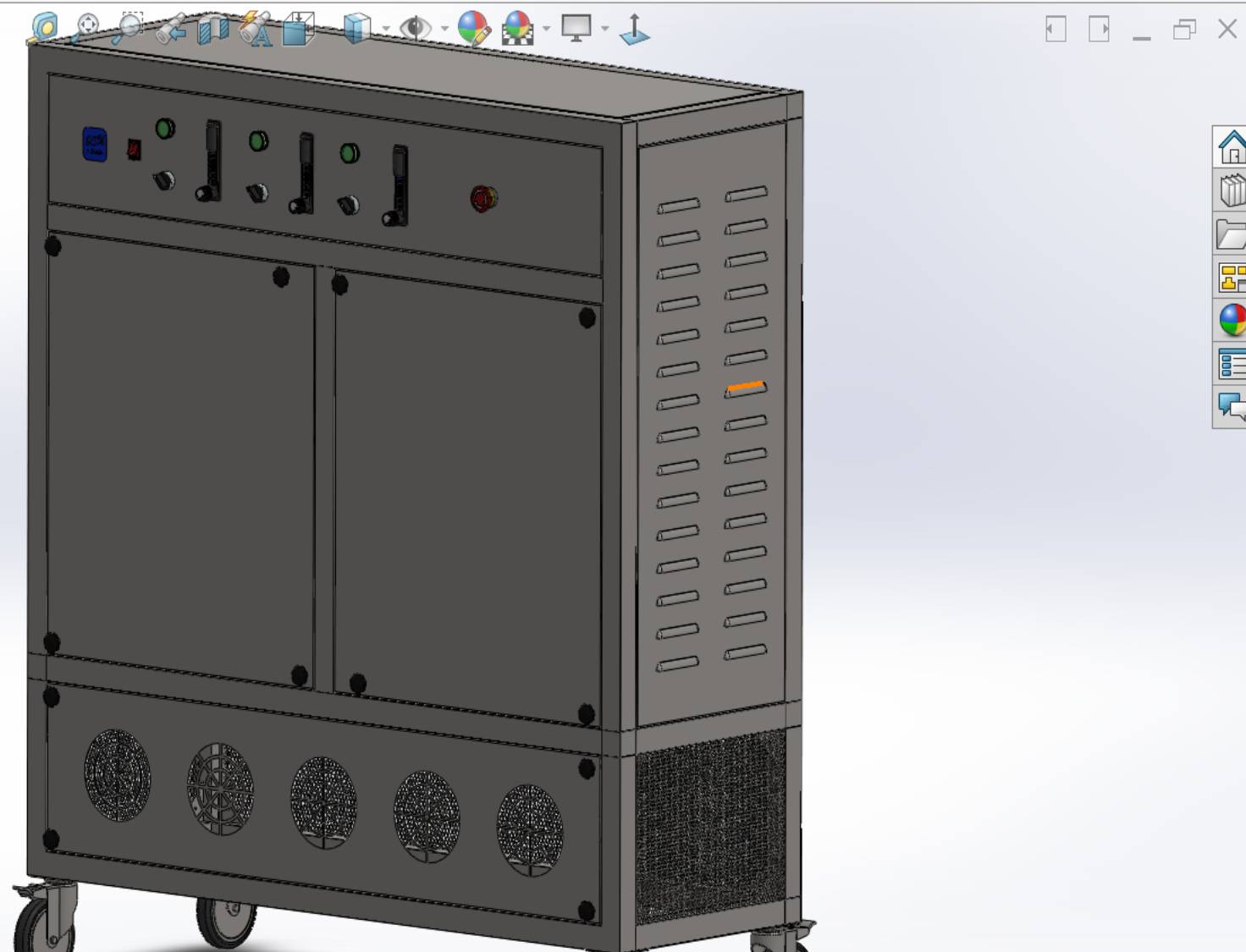
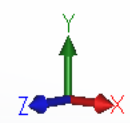
28 April 2023

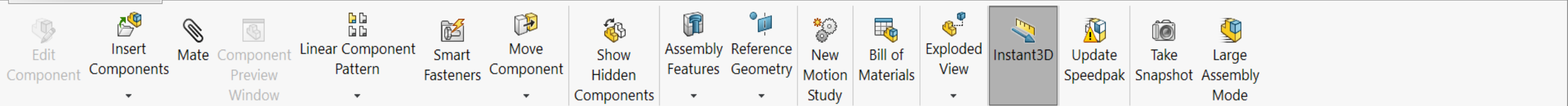


Assembly Layout Sketch Evaluate SOLIDWORKS Add-Ins MBD

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

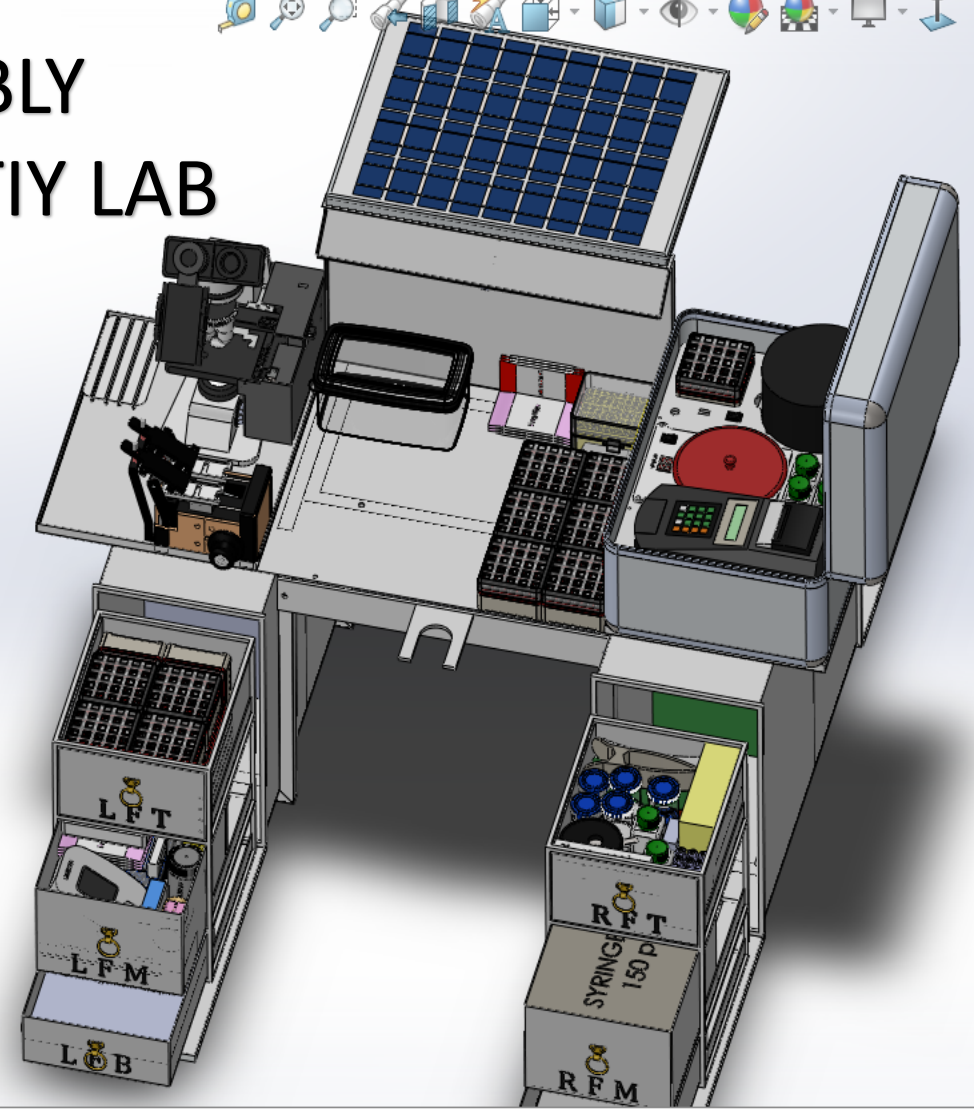
# OXYGEN CONCENTRATOR CABINET





- Side Box (Default<Display State-1>)
- History
- Sensors
- Annotations
- Front Plane
- Top Plane
- Right Plane
- Origin
- Side Box<1> (Default<<Default>\_D
- Side box cover<1> (Default<<Defa
- Side box cover<2> (Default<<Defa
- Labike Tray<1> (Default<<Default>
- (f) side box attachment<1> (Default
- stand<1> (Default<<Default>\_Disp
- (-) Seat Attachment Labike<1> (Dei
- side box attachment<2> (Default<<
- Side Box<2> (Default<<Default>\_D
- Labike Tray<2> (Default<<Default>
- Side box cover<3> (Default<<Defa

# ASSEMBLY OF MOBILITY LAB



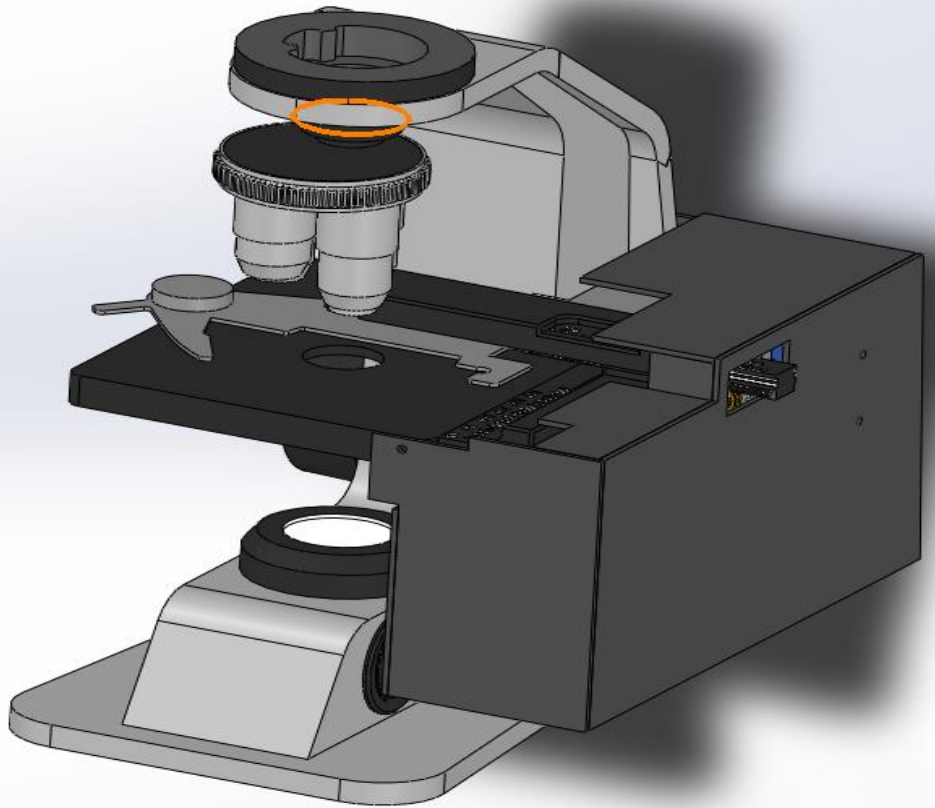
pt Boss/Base  
 ed Boss/Base  
 ndary Boss/Base

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

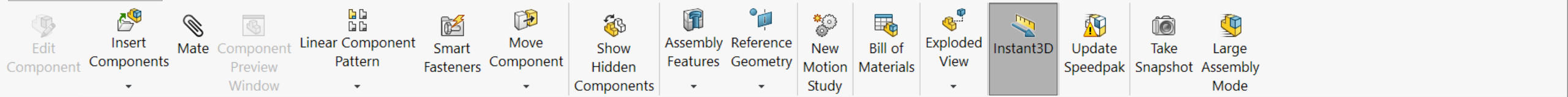
Sheet Metal Evaluate MBD Dimensions SOLIDWORKS Add-Ins MBD

Navigation icons: Home, Back, Forward, Rotate, Zoom, Pan, etc.

# MICROSCOPE ASSEMBLY

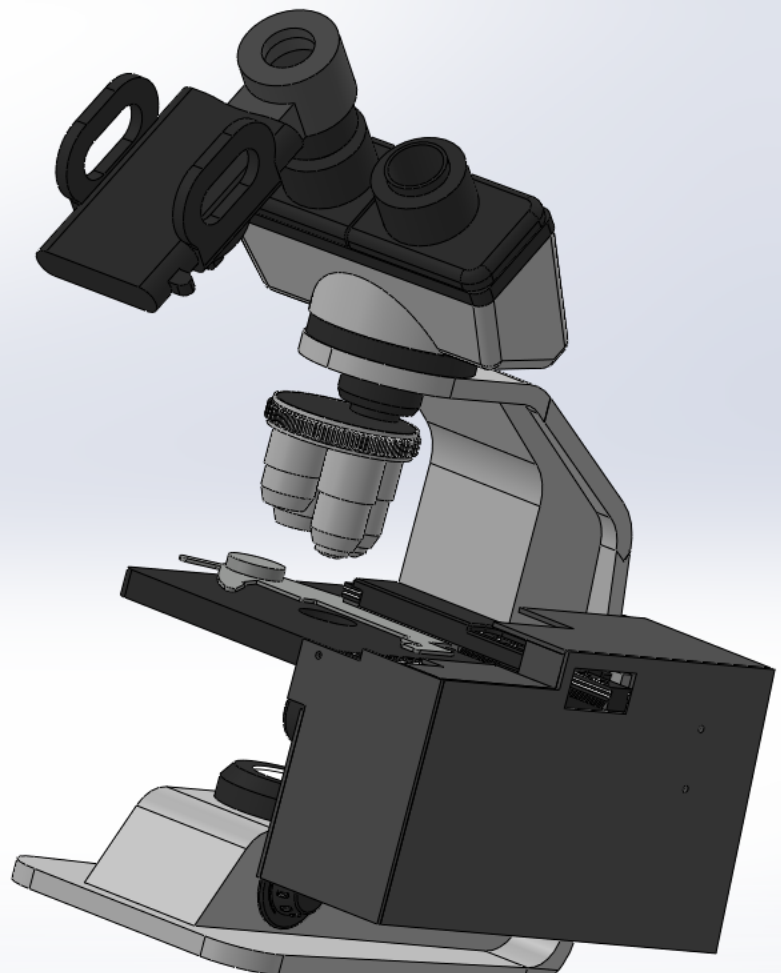


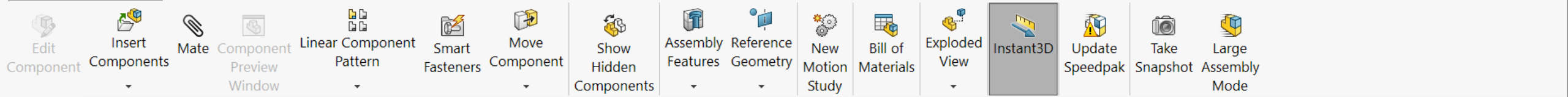
Left sidebar containing icons for 3D Views, Motion Study 1, and other CAD functions.



- (-) aluminium rod<4> (Default<
- spring angle<1> (Default<<De
- spring angle<3> (Default<<De
- screw plate<1> (Default<<Defa
- 3mm screw<1> (Default<<Defa
- 3mm screw<2> (Default<<Defa
- (-) 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>\_I
- (-) rotator screw plate<1> (Defa
- screw<2> (Default<<Default>\_I
- 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)(

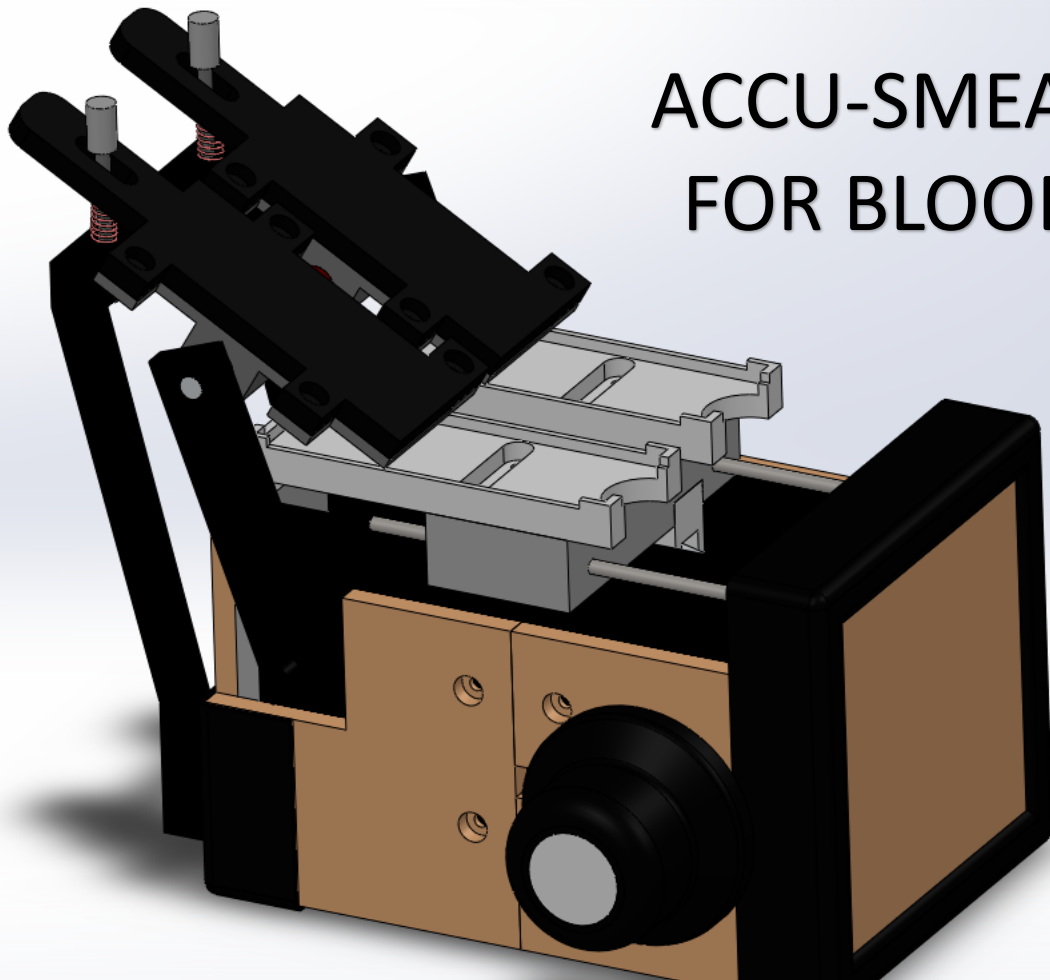
# AUTO-MICROSCOPE





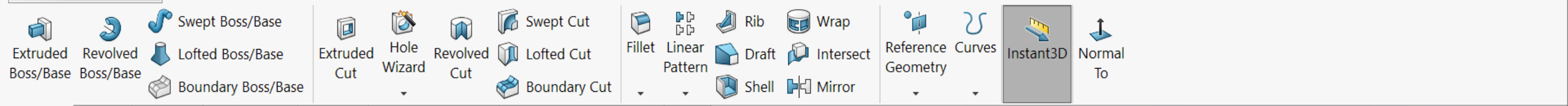
Assembly Layout Sketch Evaluate SOLIDWORKS Add-Ins MBD

- smear device assmebly (L
- 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> (Defa
- (-) steel rod<2> (Defa
- (-) aluminium rod<3>
- (-) aluminium rod<4>
- spring angle<1> (Def



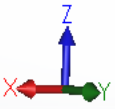
# ACCU-SMEAR DEVICE FOR BLOOD SMEAR

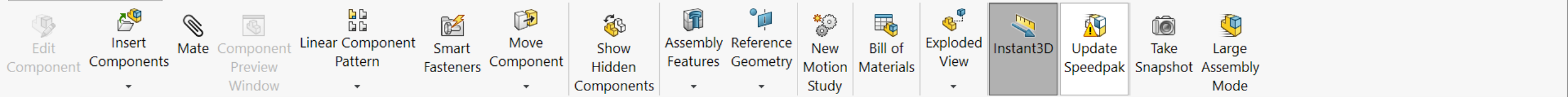
Model 3D Views Motion Study 1



- 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

# BLOOD-PRESSURE MACHINE

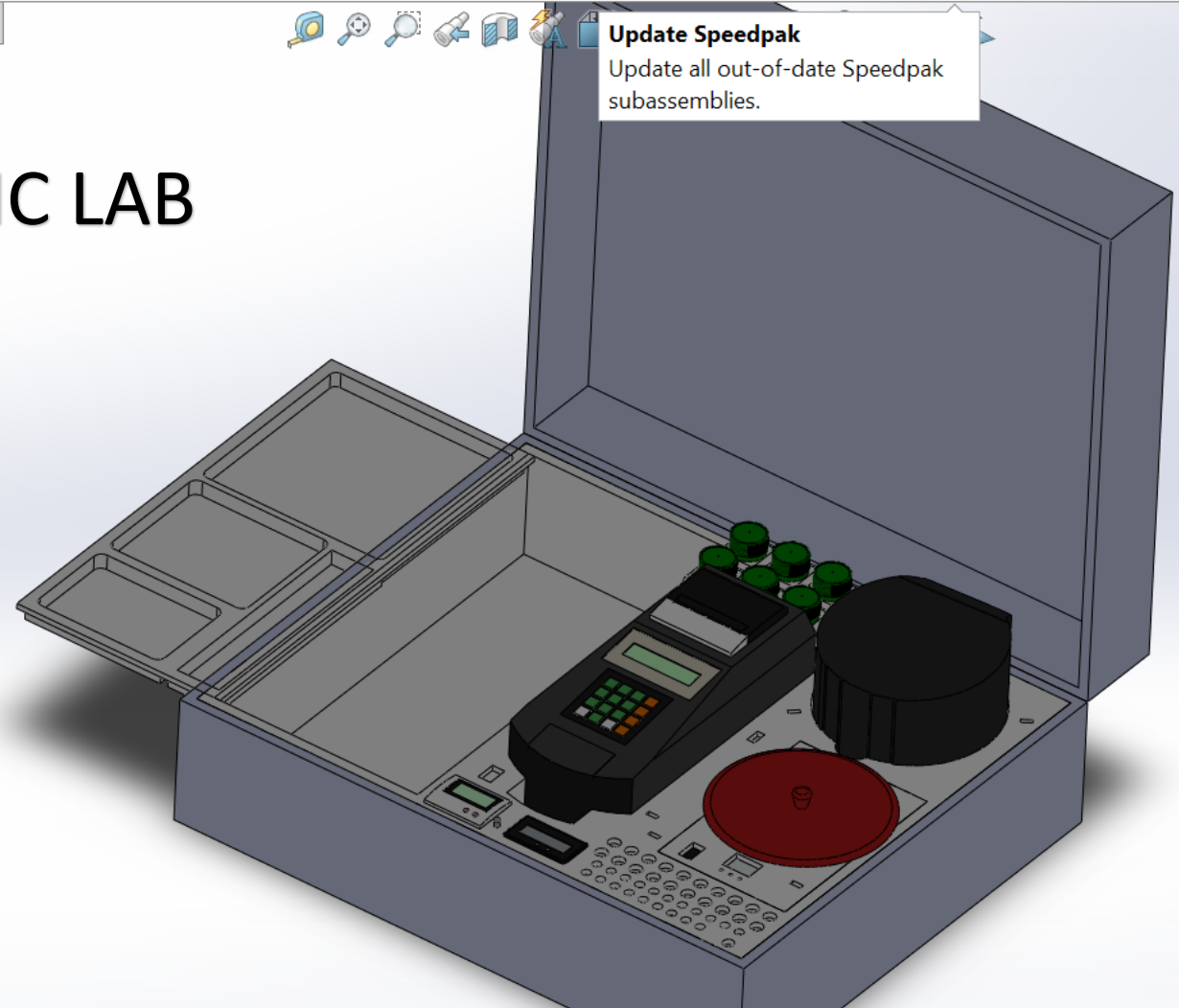




Assembly Layout Sketch Evaluate SOLIDWORKS Add-Ins MBD

- Right Plane
- Origin
- (f) suitcase<1> (Default)
- suitcase upper<1> (Default)
- Top sheet2<1> (Default)
- centrifuge<1> (Default)
- circuit2<1> (Default)
- (-) incubator pot<1> (Default)
- battery indicator<1> (Default)
- thermometer<1> (Default)
- storage<1> (Default)
- device<2> (Default)
- BOTTLE<1> (Default)
- BOTTLE<2> (Default)
- BOTTLE<3> (Default)
- BOTTLE<4> (Default)
- BOTTLE<5> (Default)
- BOTTLE<6> (Default)
- (-) incubator cover<1> (Default)

# STATIC LAB



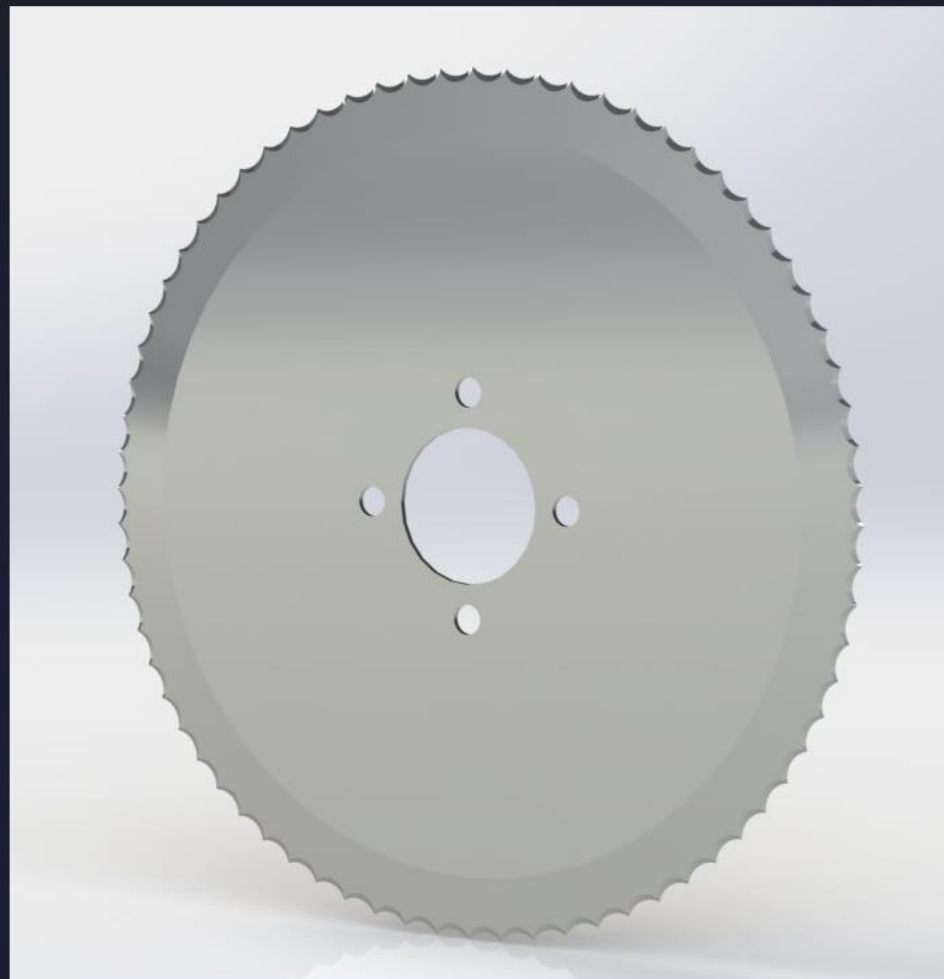
**Update Speedpak**  
Update all out-of-date Speedpak subassemblies.

Model 3D Views Motion Study 1

Update all out-of-date Speedpak subassemblies. Under Defined Editing Assembly MMGS

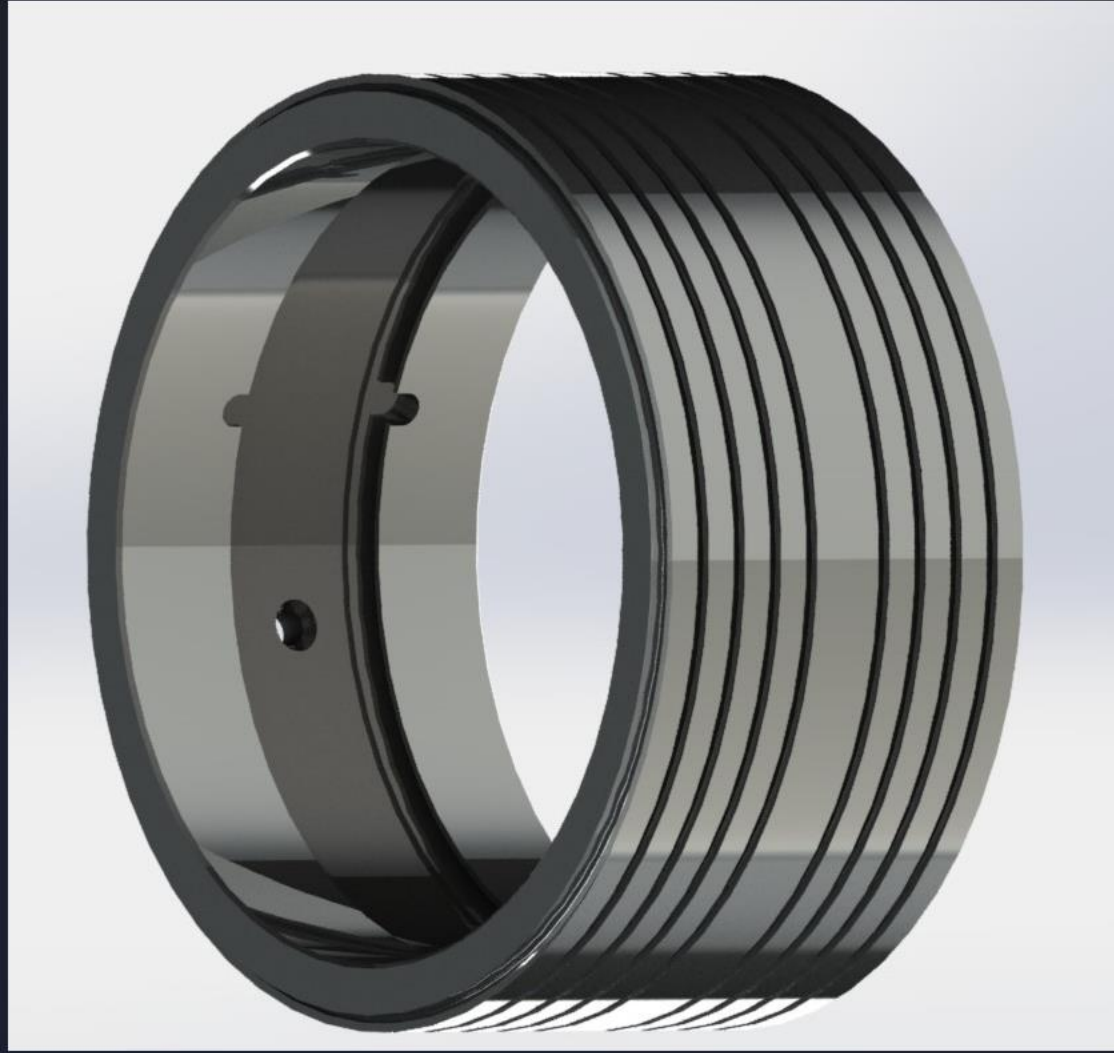


# PERFORATION KNIVES

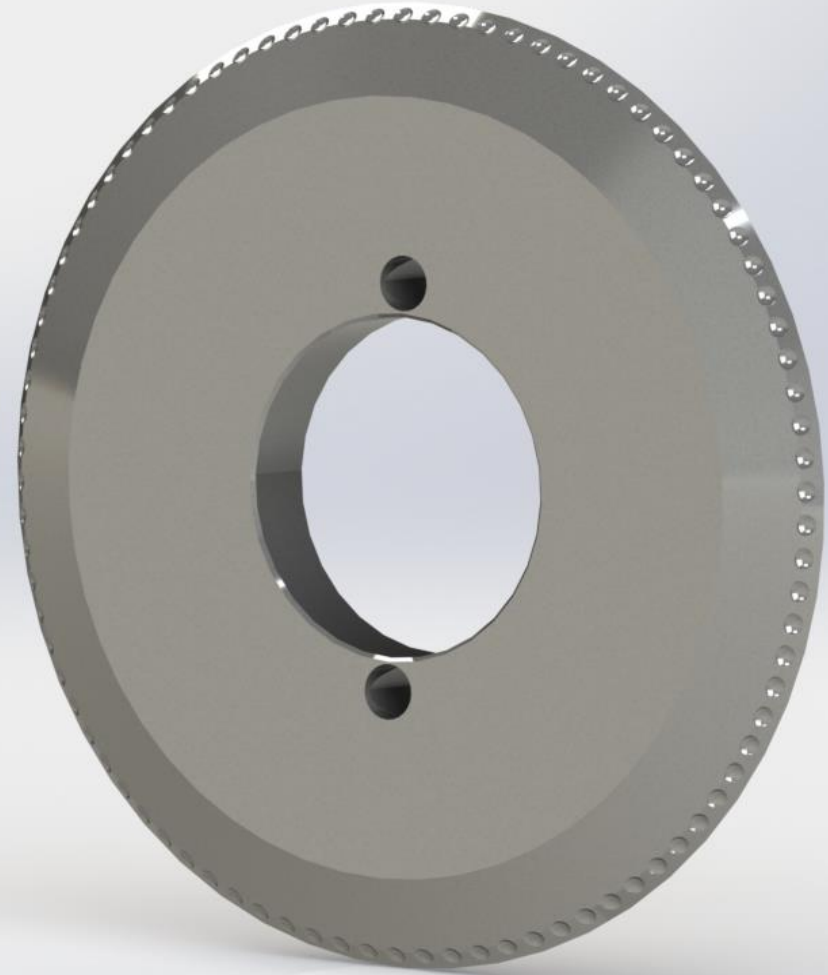
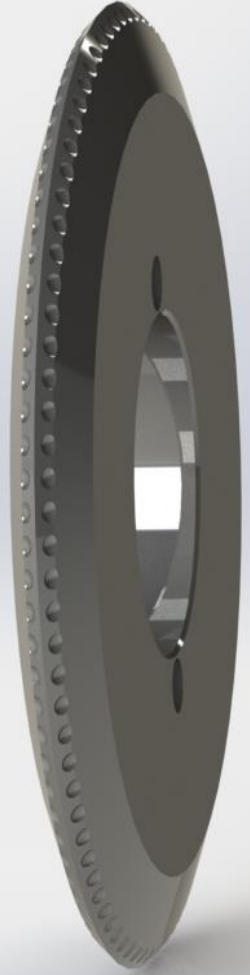


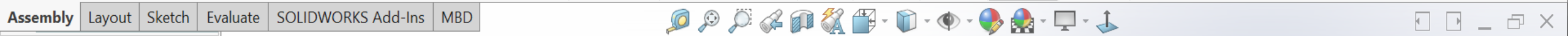
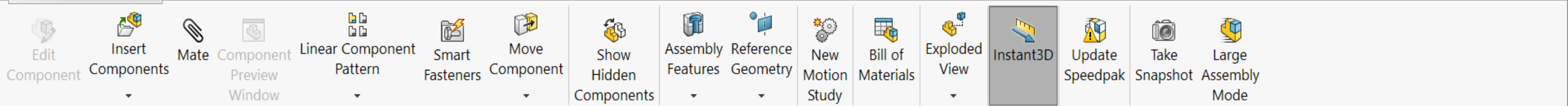


# MULTIPLE BLOCK KNIVES



# C.O.C CUTTER

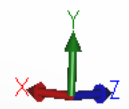
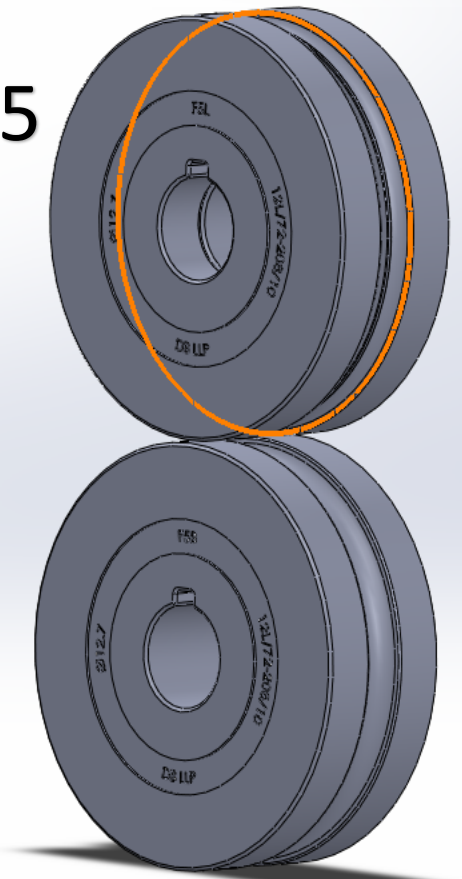


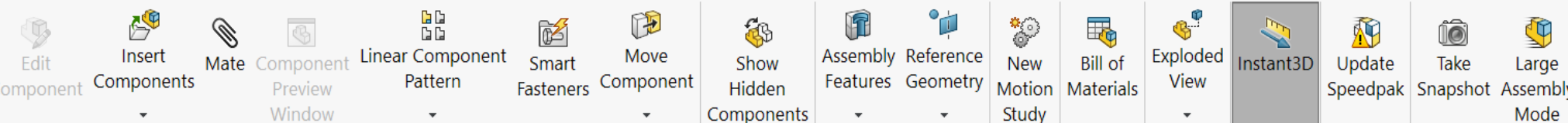
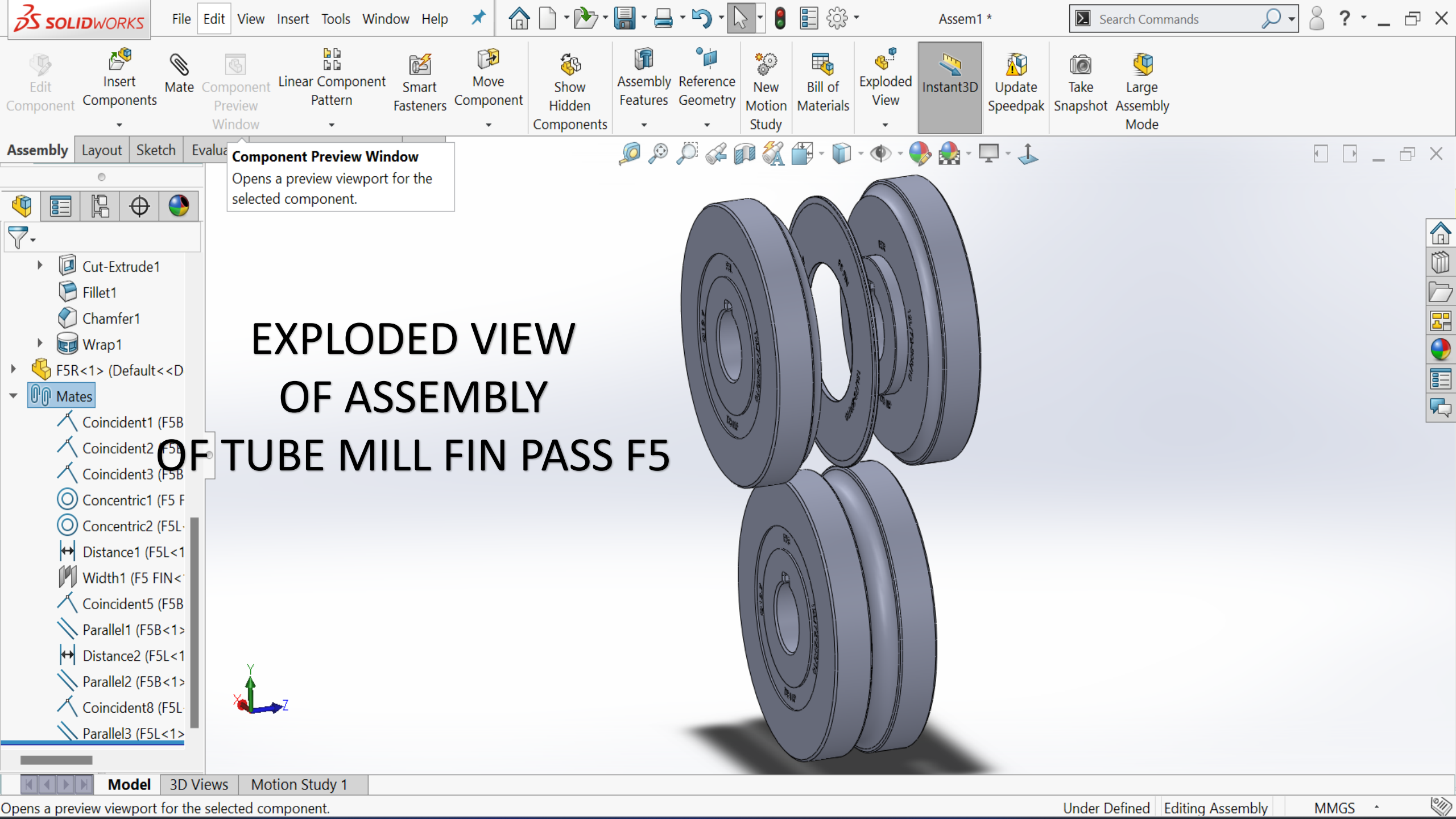


Assem1 (Default<Display

- History
- Sensors
- Annotations
- Front Plane
- Top Plane
- Right Plane
- Origin
- (-) F5 FIN<1> (Default
- F5B<1> (Default<<D
- F5L<1> (Default<<De
  - Mates in Assem1
  - History
  - Sensors
  - Annotations
  - Solid Bodies(1)
  - Material <not spe
  - Front Plane
  - Top Plane

# TUBE MILL FIN PASS F5



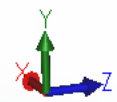
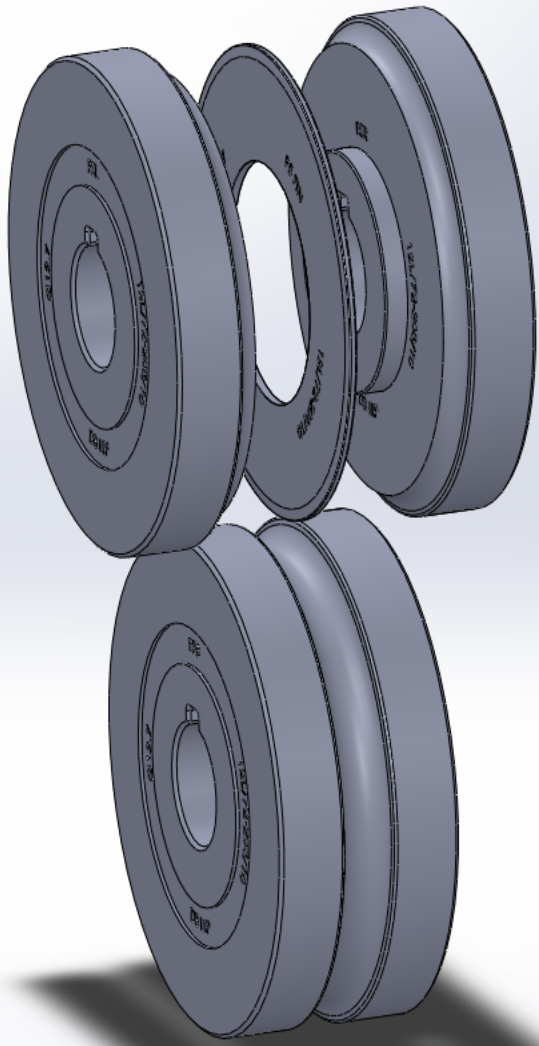


**Component Preview Window**  
Opens a preview viewport for the selected component.

Assembly Layout Sketch Evaluate

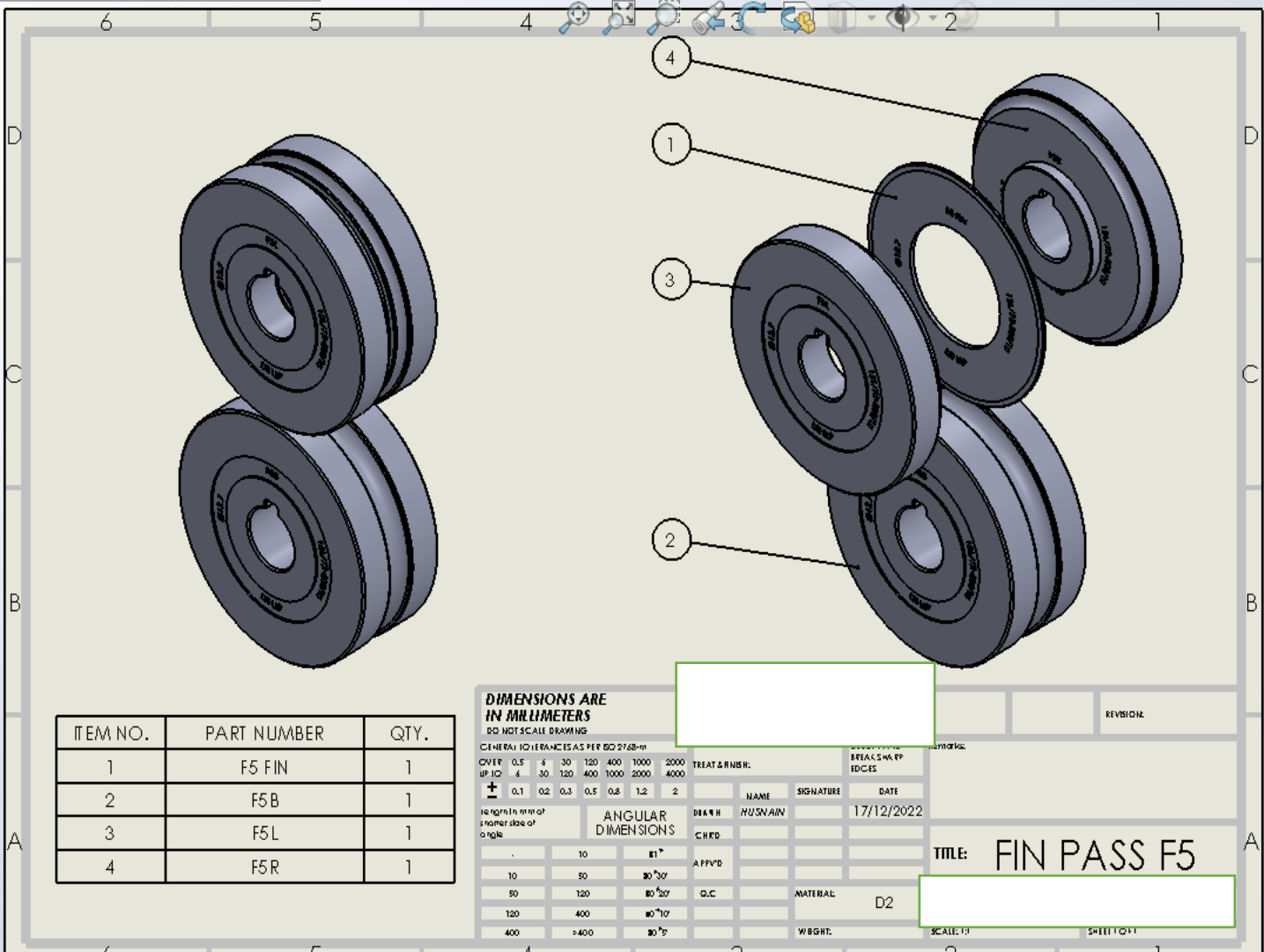
- Cut-Extrude1
- Fillet1
- Chamfer1
- Wrap1
- F5R<1> (Default<<D
- Mates**
  - Coincident1 (F5B
  - Coincident2 (F5L
  - Coincident3 (F5B
  - Concentric1 (F5 F
  - Concentric2 (F5L
  - Distance1 (F5L<1
  - Width1 (F5 FIN<
  - Coincident5 (F5B
  - Parallel1 (F5B<1>
  - Distance2 (F5L<1
  - Parallel2 (F5B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

# EXPLODED VIEW OF ASSEMBLY OF TUBE MILL FIN PASS F5



Smart Dimension Model Items Spell Checker Format Painter Note Linear Note Pattern Balloon Auto Balloon Magnetic Line Surface Finish Weld Symbol Geometric Tolerance Datum Feature Datum Target Blocks Center Mark Centerline Area Hatch/Fill Revision Symbol Revision Cloud Tables

F5 Annotations Sheet1 Sheet Format1 Drawing View1 Drawing View2 Bill of Materials1



ITEM NO.	PART NUMBER	QTY.
1	F5 FIN	1
2	F5B	1
3	F5L	1
4	F5R	1

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

GENERAL DIMENSIONS PER ISO 2768-m

OVER	0.5	4	30	120	400	1000	2000
UP TO	4	30	120	400	1000	2000	4000

TREAT & FINISH: [ ] BREAKS MAP EDGES

DESK	NAME	SIGNATURE	DATE
CHFD	HUSNAIN		17/12/2022
APP'D			

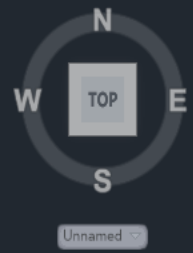
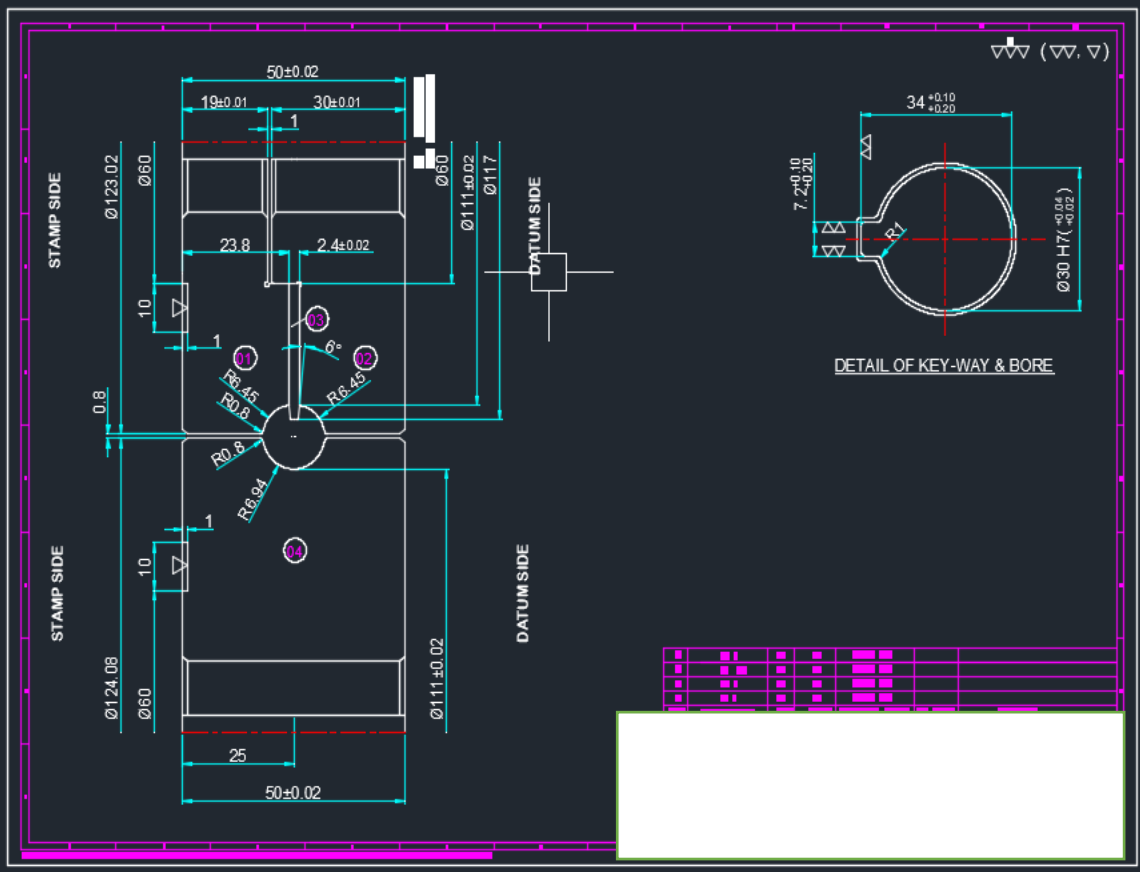
MATERIAL: D2

REVISION: [ ]

TITLE: FIN PASS F5

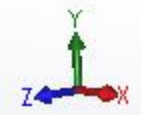
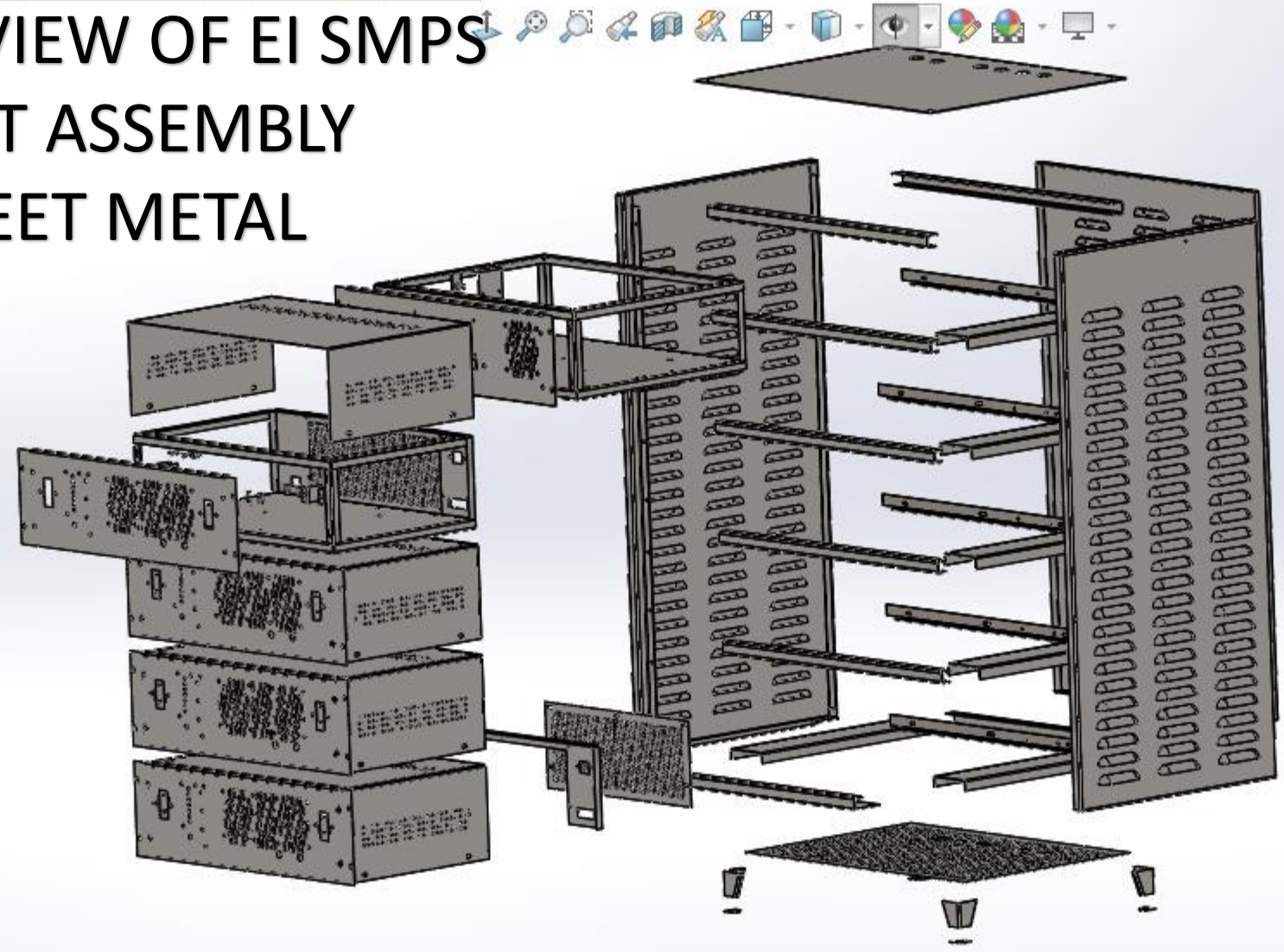
SCALE: [ ] SHEET 1 OF 1

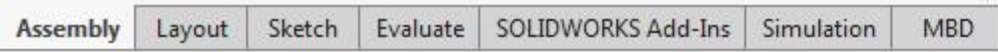
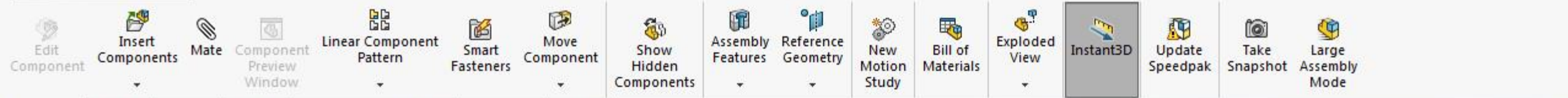
# CAD drawing for manufacturing



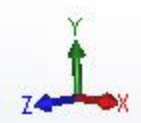
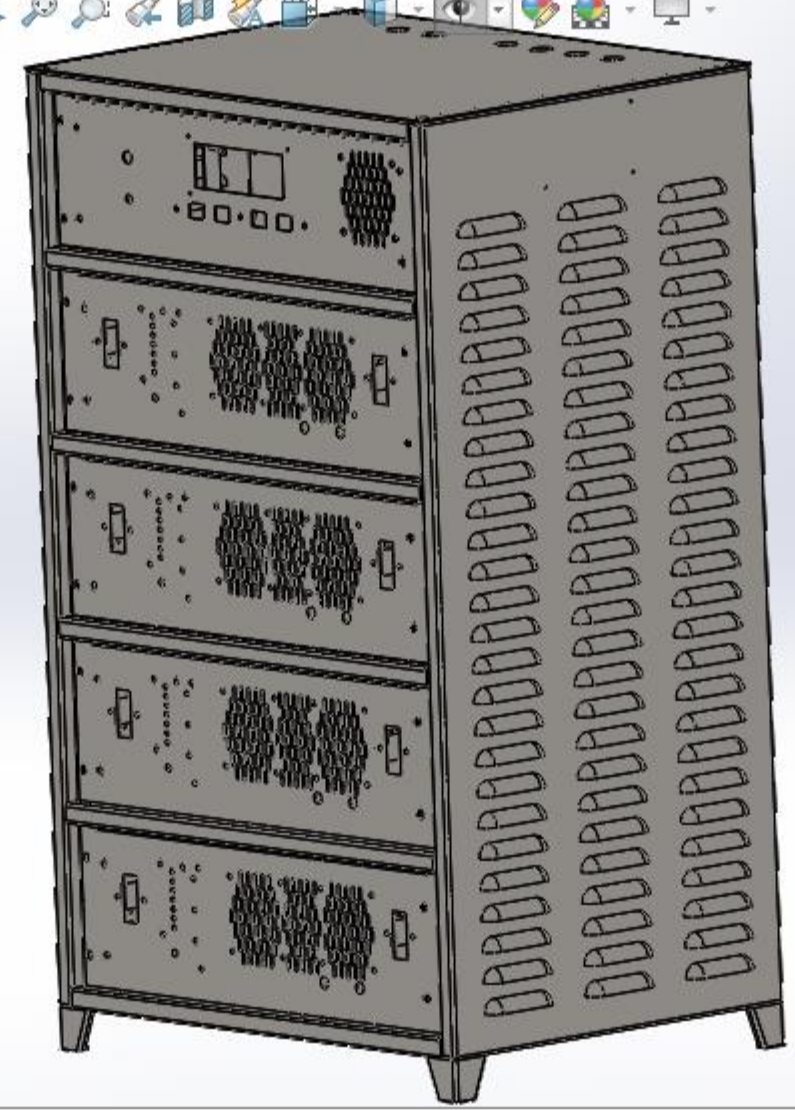


# EXPLODED VIEW OF EI SMPS CABINET ASSEMBLY IN SHEET METAL





# 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

**Technical Drawing Details:**

- Views:** Isometric view on the left; Front, Top, and Back views on the right.
- Grid Lines:** Vertical lines labeled A, B, C, D; Horizontal lines labeled 100, 200.
- Annotations:**
  - Text: "DIMENSIONS ARE IN MILLIMETERS DO NOT SCALE DRAWING"
  - Text: "GENERAL TOLERANCES AS PER ISO 2768-mS"
  - Table: DIMENSIONS (see table below)
  - Table: ANGULAR DIMENSIONS (see table below)
  - Table: REVISIONS (see table below)
  - Text: "TITLE: EI/SMPS/4+1"
  - Text: "DWG NO. 01"
  - Text: "A4"

DIMENSIONS ARE IN MILLIMETERS  
DO NOT SCALE DRAWING

GENERAL TOLERANCES AS PER ISO 2768-mS

QVTS	0.05	0.1	0.2	0.3	0.5	1.0	2.0
UP TO	0.1	0.2	0.3	0.5	1.0	2.0	4.0

+	0.1	0.2	0.3	0.5	1.0	2.0
length between diameters or angle	0.1	0.2	0.3	0.5	1.0	2.0

ANGULAR DIMENSIONS	11°	15°	30°	45°	60°	90°
-	10'	21'	20'	30'	30'	30'
10	10	20	30	30	30	30
60	100	100	100	100	100	100
120	100	100	100	100	100	100

REVISION:

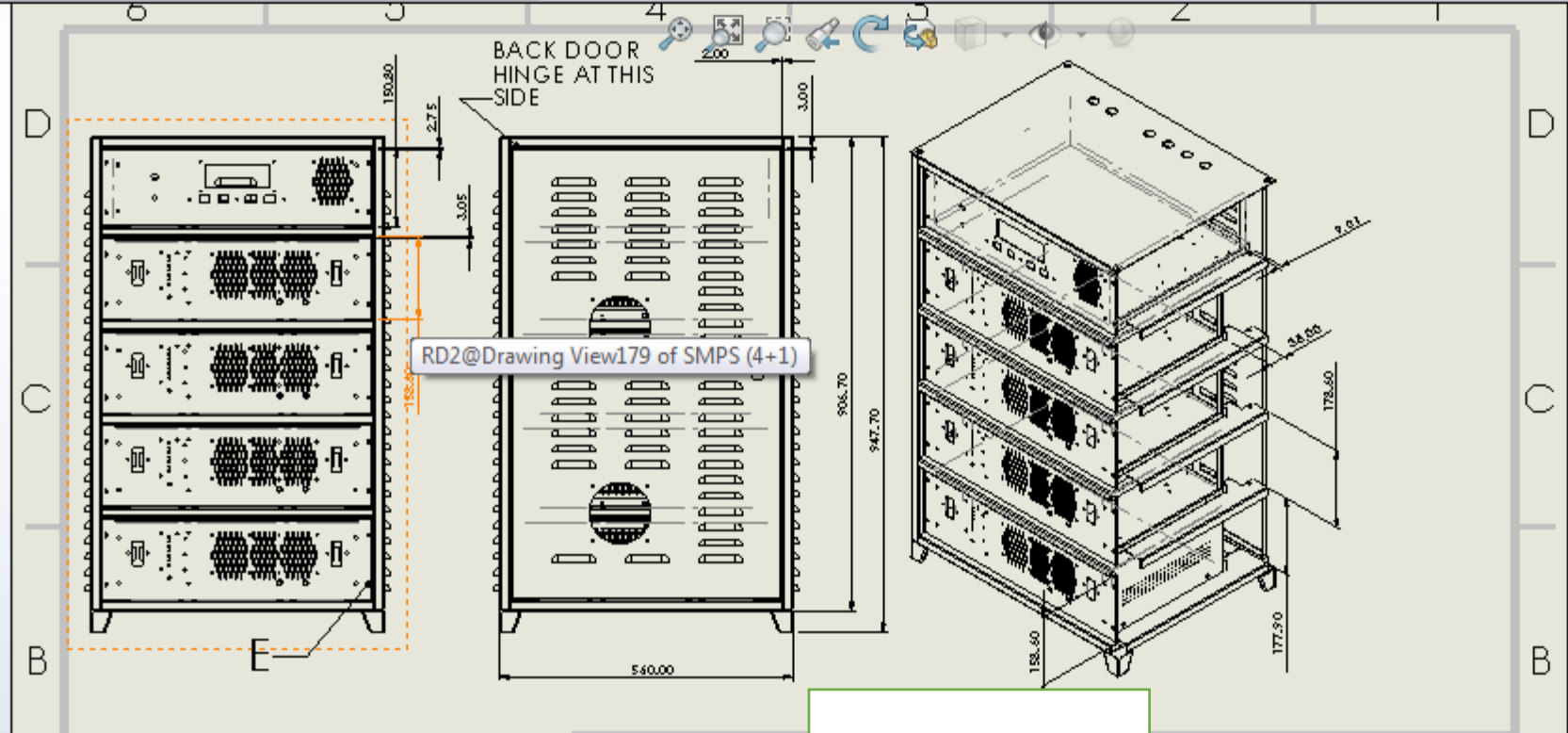
NO	DATE	SIGNATURE	NAME
1	15/02/2022	[Signature]	HUSYAW

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

# 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 0 200 300



RD2@Drawing View179 of SMPS (4+1)

**DETAIL E**  
 SCALE 1 : 1

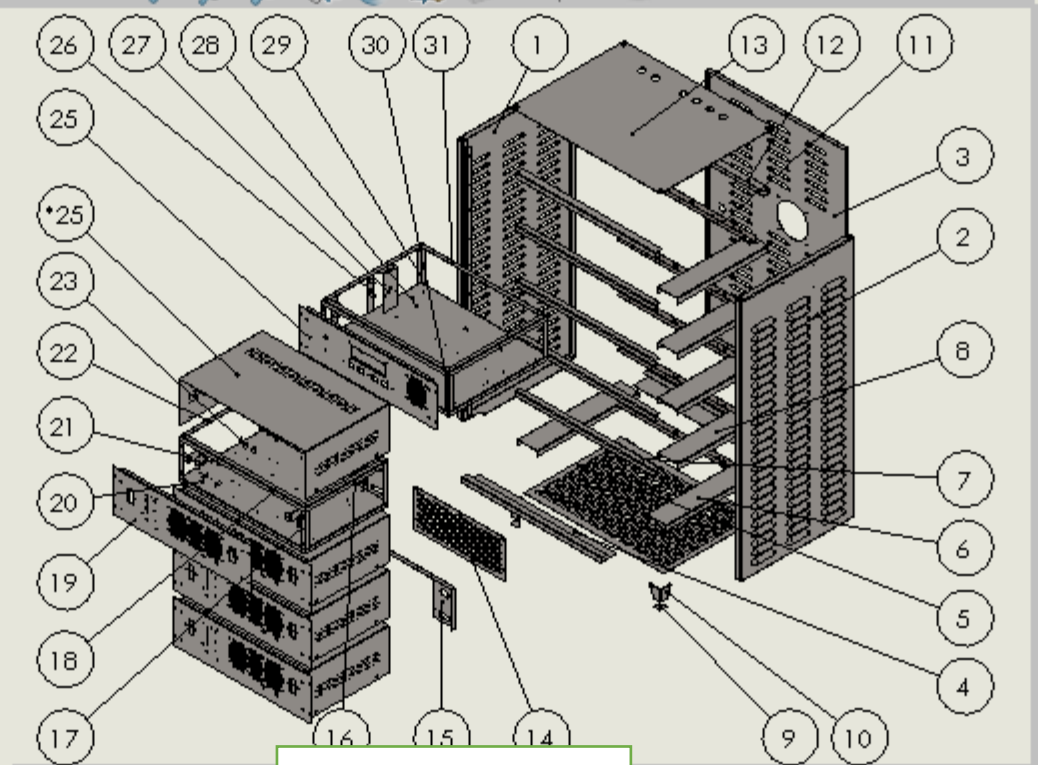
DIMENSIONS ARE IN MILLIMETERS DO NOT SCALE DRAWING				REVISION:	
GIVEN TOLERANCES AS PER ISD 2744-47 QVTG 0.2 0.5 1.0 1.5 2.0 3.0 4.0 5.0 6.3 8.0 10.0 12.5 16.0 20.0 25.0 31.5 40.0 UP TO 0.1 0.2 0.5 0.6 0.8 1.2 2				DATE: 15/02/2022 TIME:	
LENGTH IN mm or diameter or angle ANGULAR DIMENSIONS				NAME:	SIGNATURE:
TITL: FRONT SIDE ANGLE(M) DWG NO. 38 SCALE: 1:1 SHEET 37 OF 37				DATE:	DATE:

# 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	425 X905.2mm LH	1
2	425 X905.2mm 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 3x1.5 (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



D  
C  
B  
A

D  
C  
B  
A

DIMENSIONS ARE IN MILLIMETERS  
DO NOT SCALE DRAWING

DATE	BY	CHKD	APPVD	DATE
15/02/2022				

DATE	BY	CHKD	APPVD	DATE
15/02/2022				

DATE	BY	CHKD	APPVD	DATE
15/02/2022				

REVISION:

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

DWG NO. 02

SCALE: 1:10

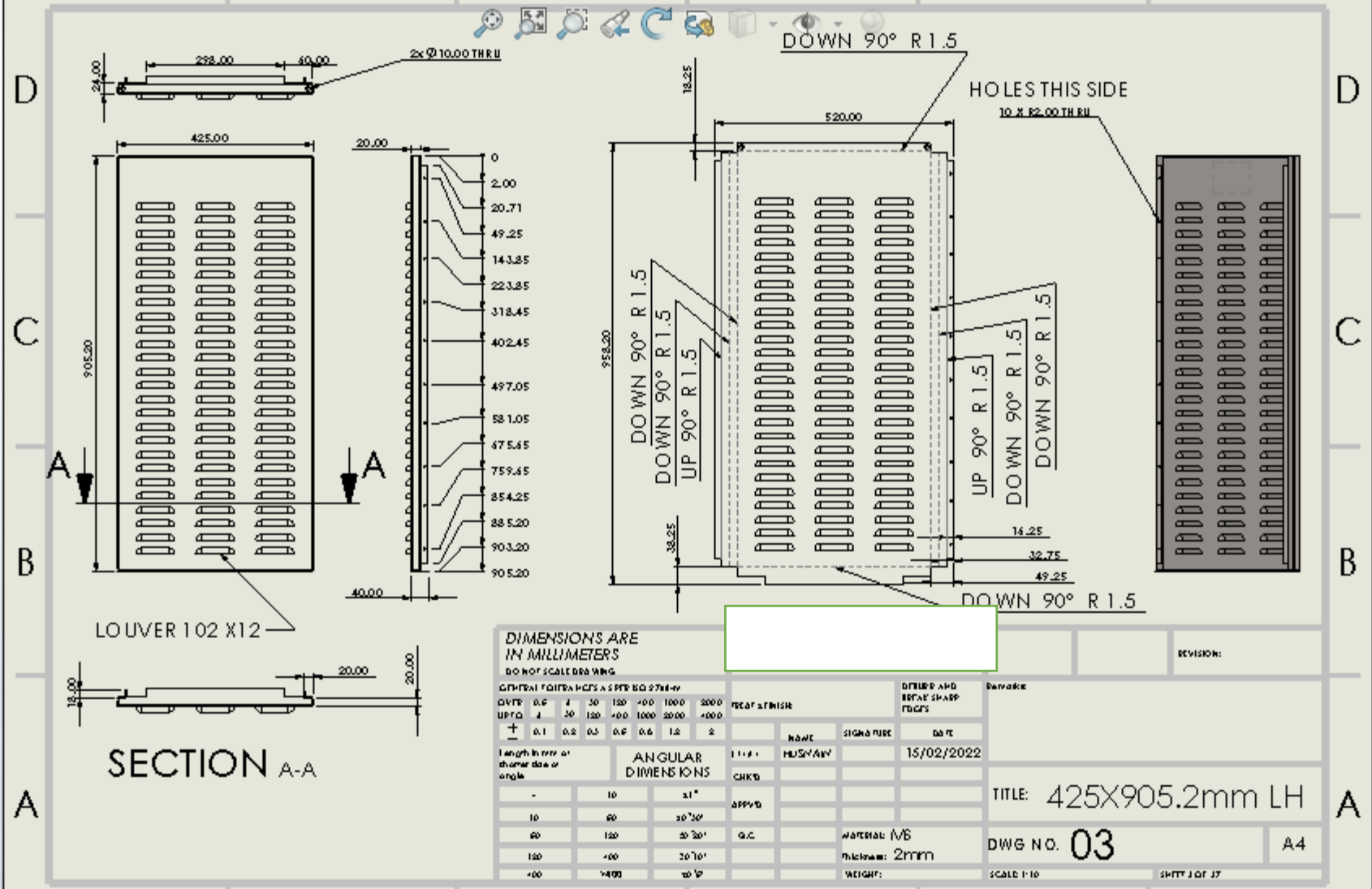
SHT 2 OF 17

\*Note: Module Top Cover if vendor requirement

# EI SMPS CABINET SIDE DOOR IN SHEET METAL

Edit Sheet Format Title Block Automatic Border Fields

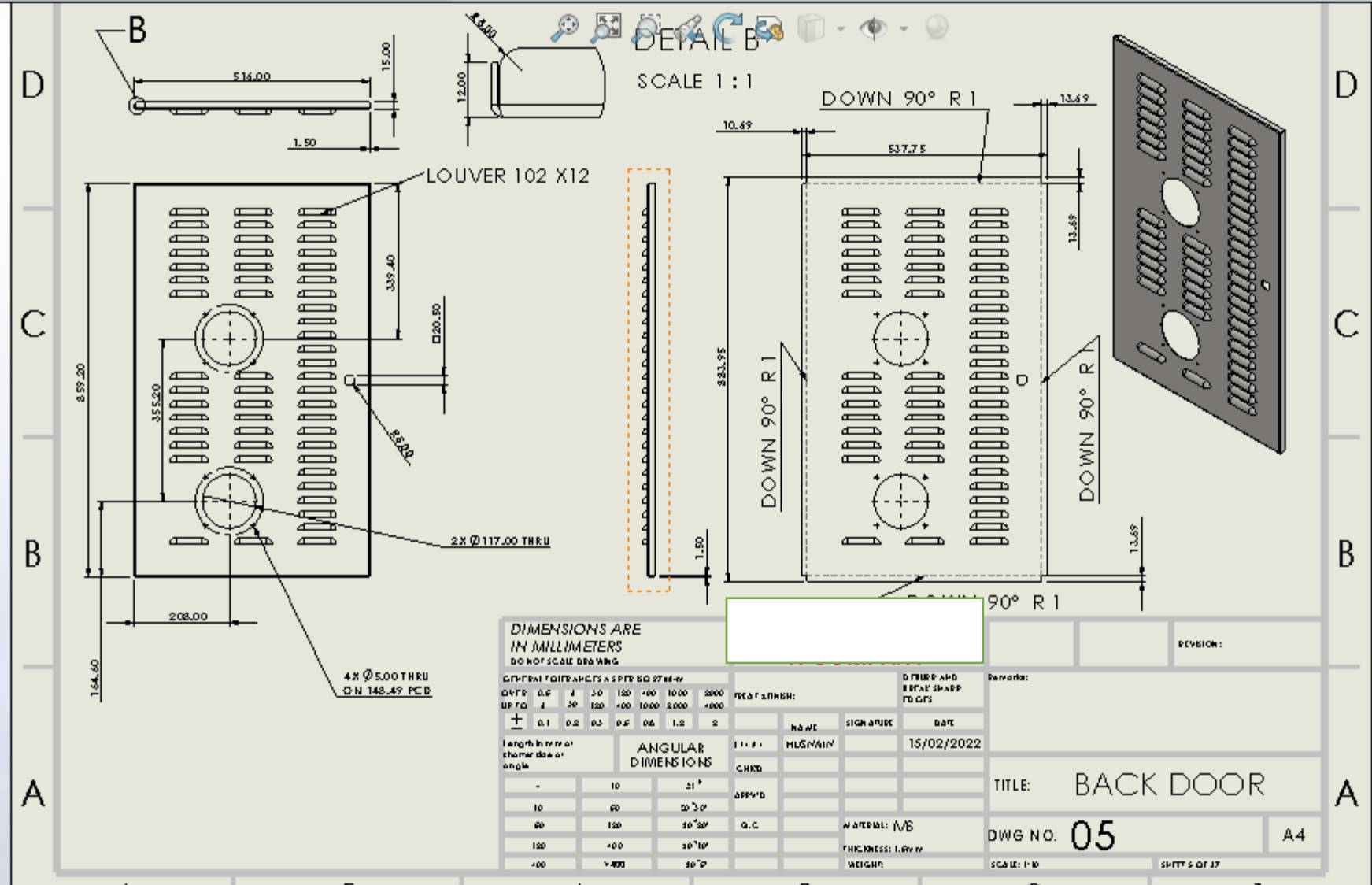
View Layout Annotation Sketch Evaluate SOLIDWORKS Add-Ins Sheet Format 100 200 300



# EI SMPS CABINET BACK DOOR IN SHEET METAL

Edit Sheet Format Title Block Automatic Border Fields

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



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

DEPTH	0.5	1	1.5	2	3	4	5	6	8	10	12	15	20	25	30	40	50	60	80	100								
DEPTH	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.2	1.5	2.0	2.5	3.0	4.0	5.0	6.0	8.0	10.0	12.0	15.0	20.0	25.0	30.0	40.0	50.0	60.0	80.0	100.0

**ANGULAR DIMENSIONS**

ANGLE	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°
ANGLE	±1'	±1'	±1'	±1'	±1'	±1'	±1'	±1'	±1'	±1'	±1'	±1'	±1'	±1'	±1'	±1'	±1'

100

A

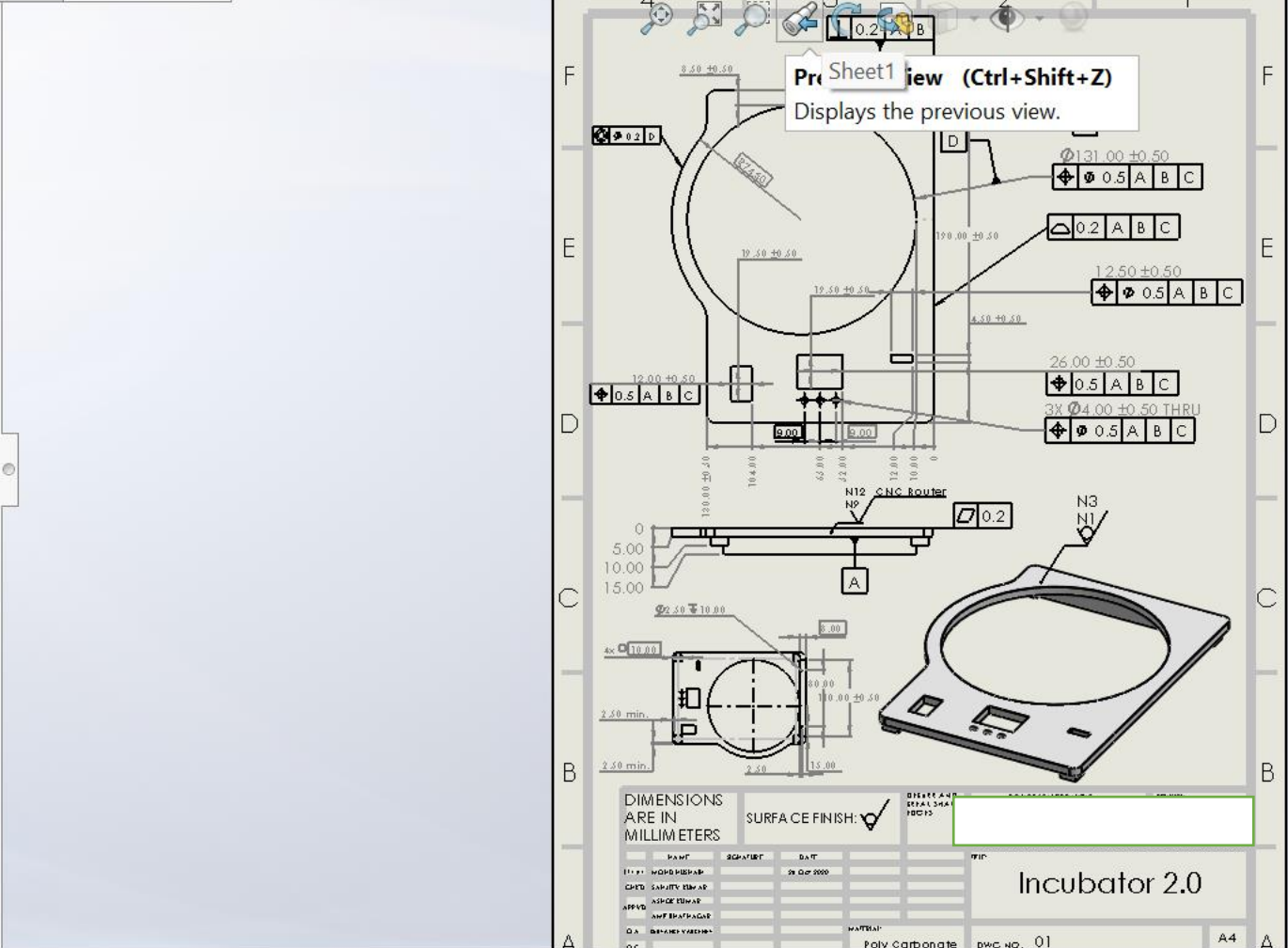
A





Incubator 2.0 (Mobile Lab)

- Annotations
- Sheet1
  - Sheet Format1
  - Drawing View1
  - Drawing View3
  - Drawing View4
  - Drawing View6



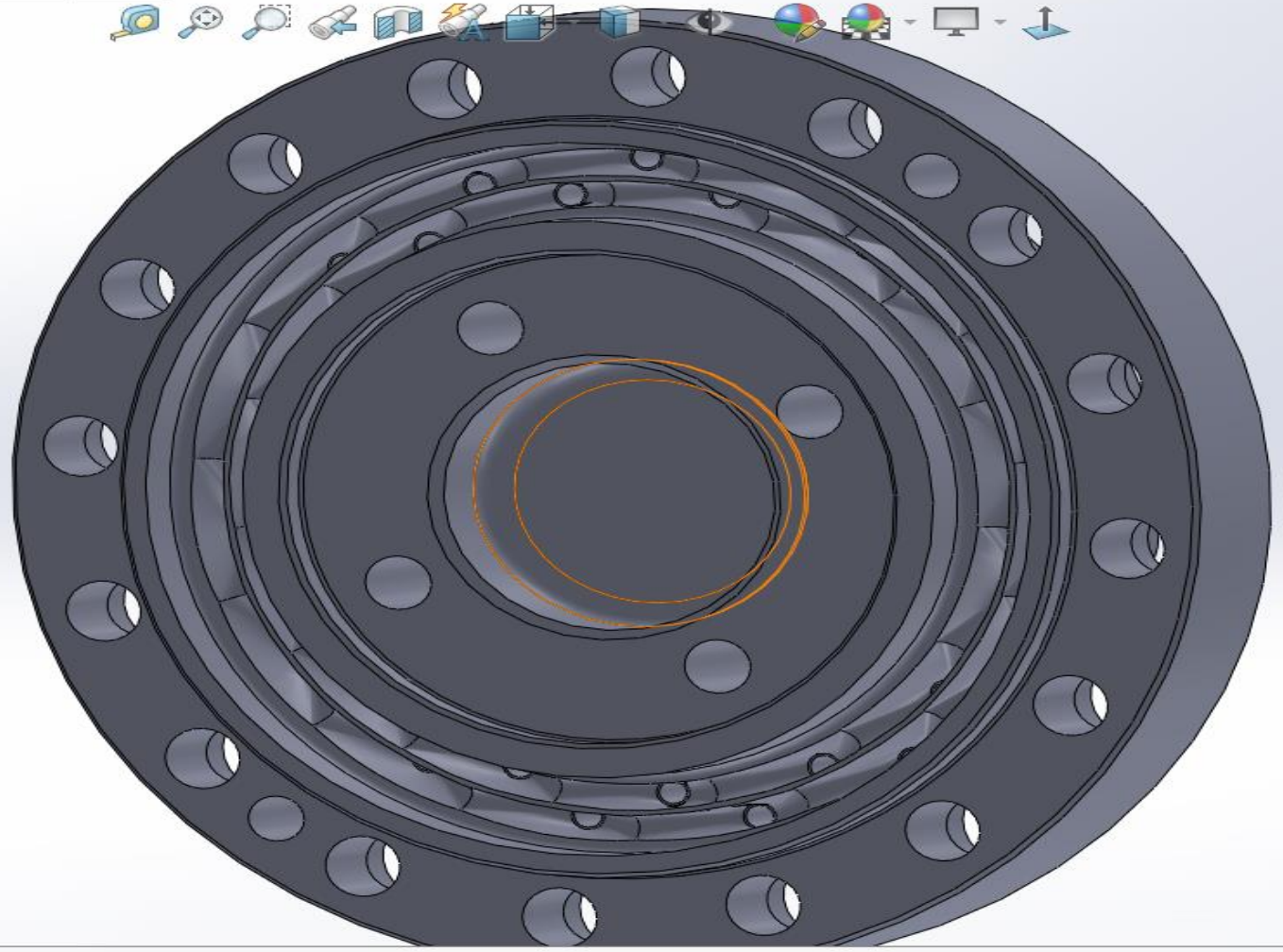
Incubator 2.0

Poly carbonate DWG NO. 01

A4



Dimensions SOLIDWORKS Add-Ins MBD



Editing Part MMGS

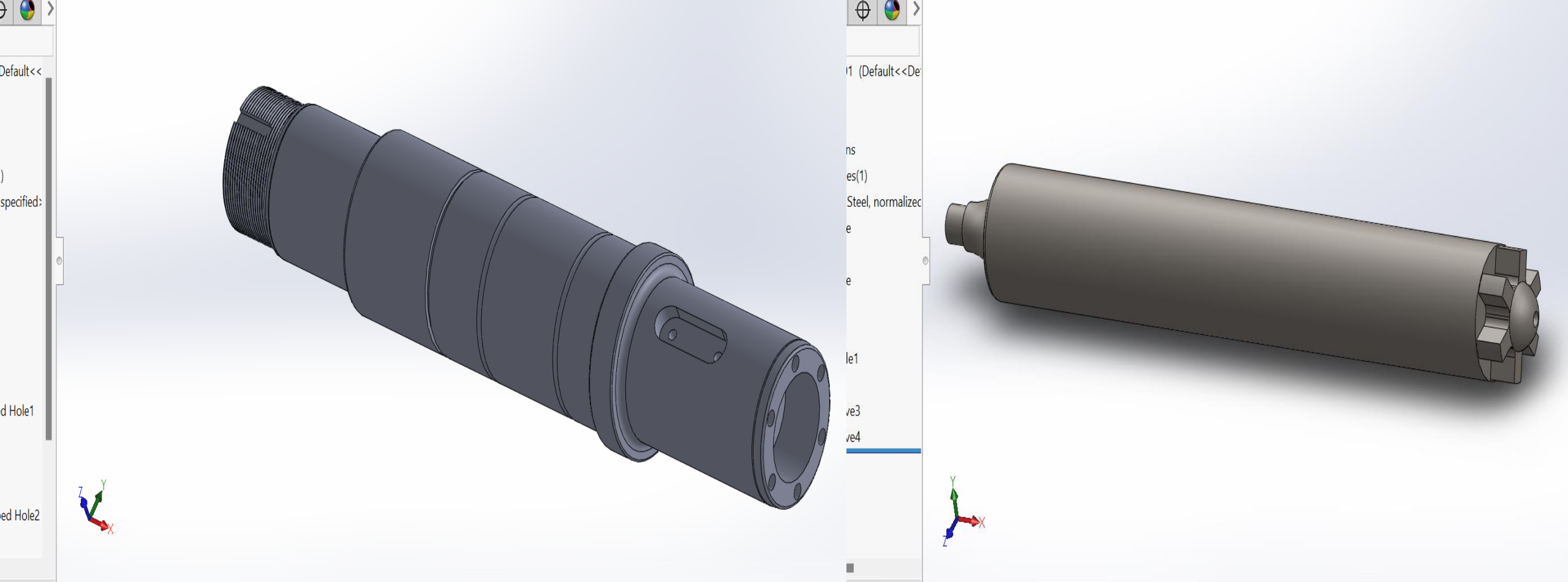
Swept Boss/Base, Extruded Cut, Hole Wizard, Revolved Cut, Swept Cut, Lofted Cut, Boundary Cut, Fillet, Linear Pattern, Rib, Draft, Intersect, Reference Geometry, Curves, Instant3D, Normal To

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

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

Sheet Metal Evaluate MBD Dimensions SOLIDWORKS Add-Ins MBD

Navigation icons: Rotate, Zoom, Pan, etc.

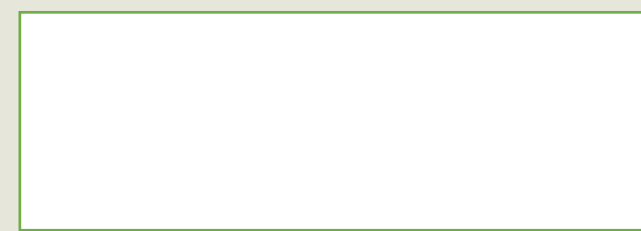
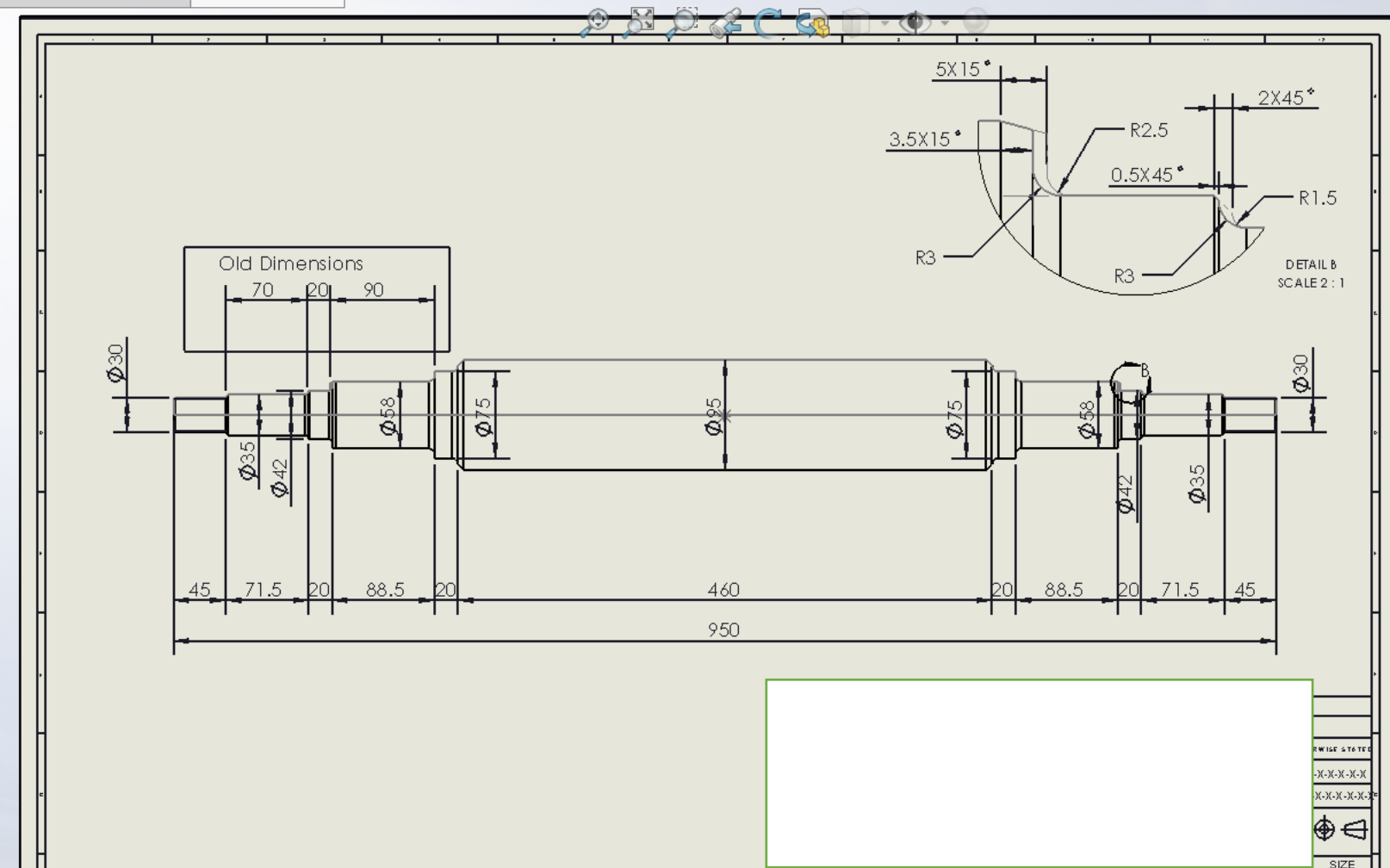


3D Views Motion Study 1









































3D Views Motion Study 1

112206L000002

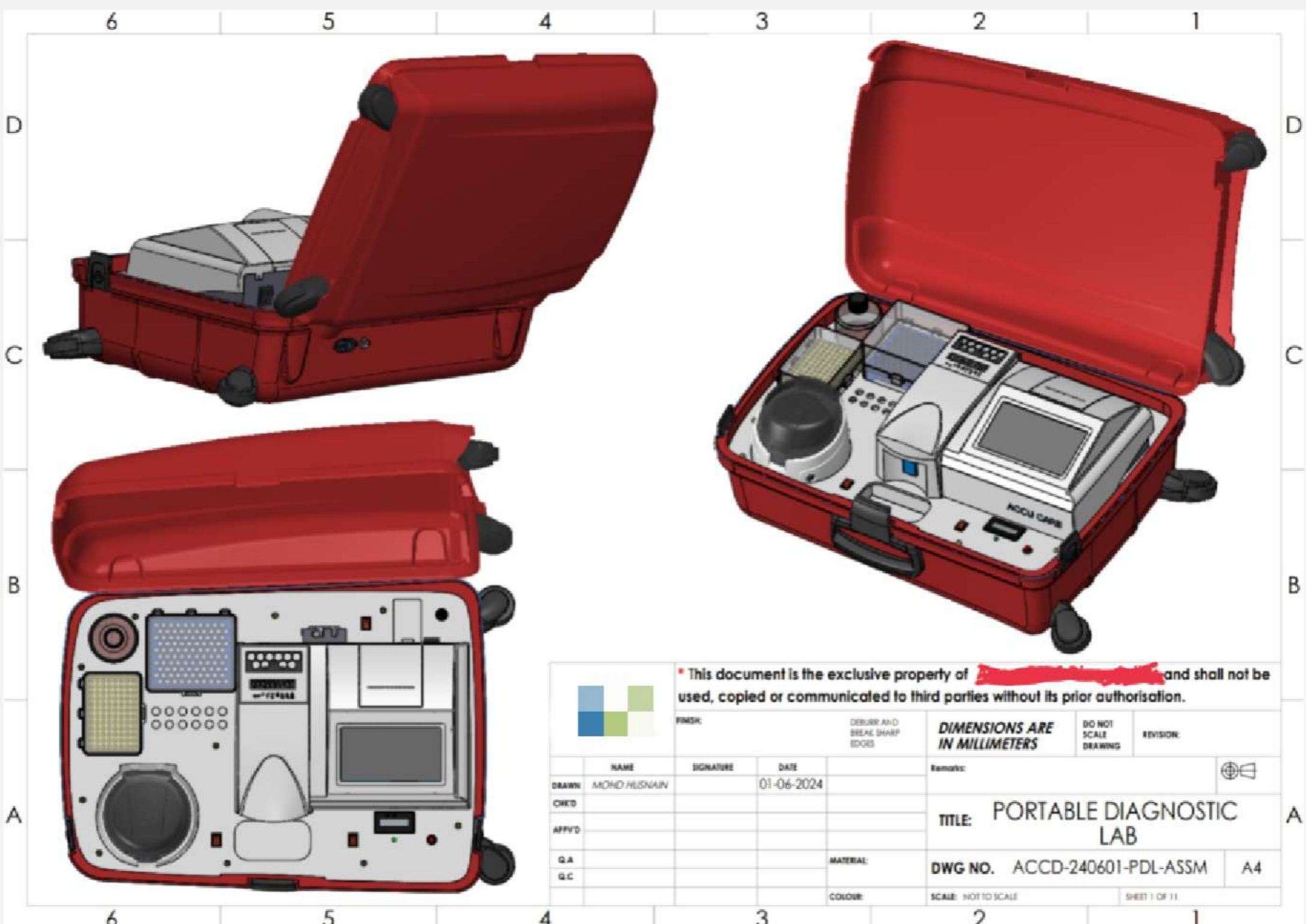
- Blocks
- Annotations
- Sheet1
  - Sheet Format1
  - Drawing View2
  - Detail View B (2 : 1)



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

 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

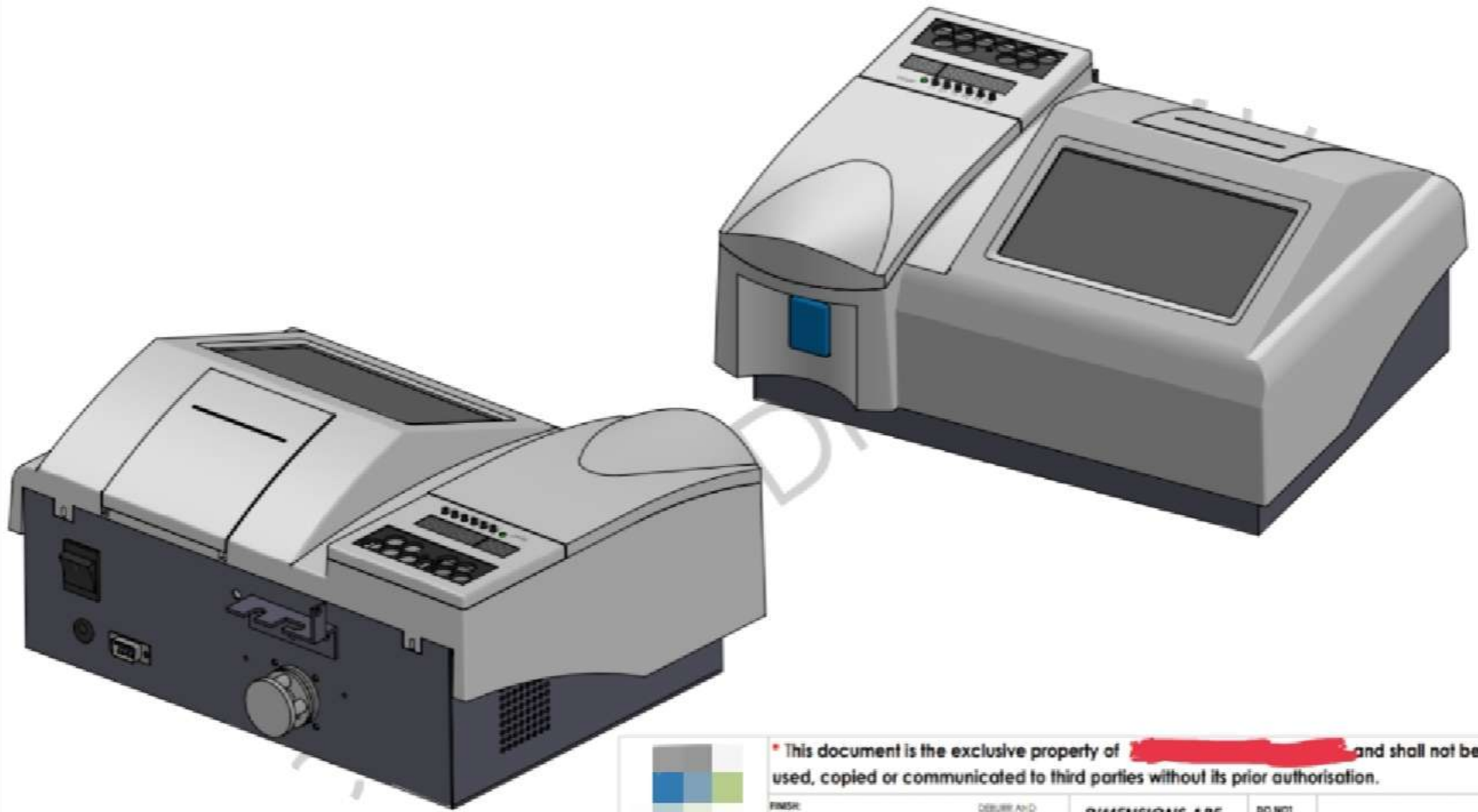
65 items |



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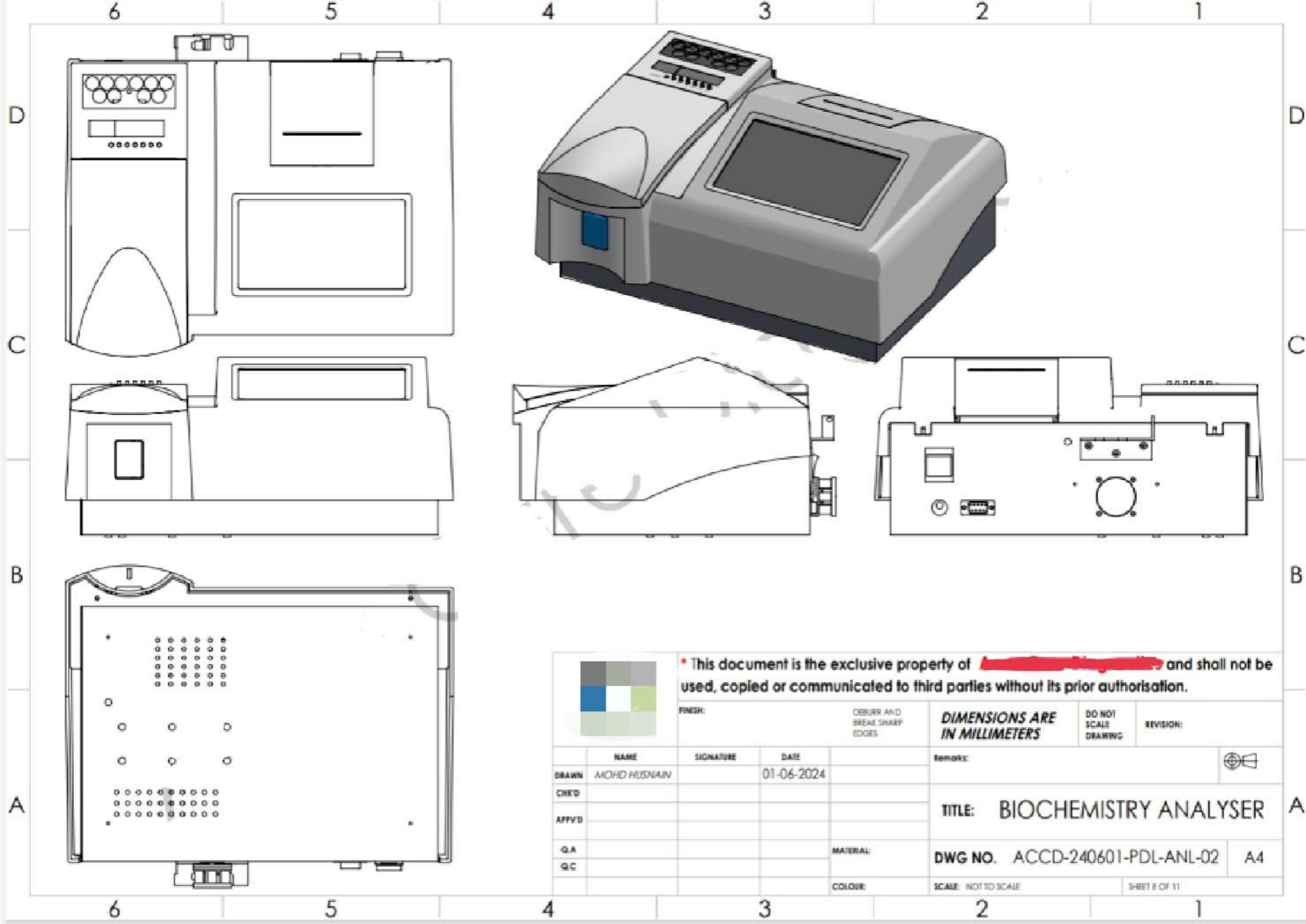
	FINISH:		DEBURY AND BREAK SHARP EDGES	<b><i>DIMENSIONS ARE IN MILLIMETERS</i></b>	DO NOT SCALE DRAWING	REVISION:
	NAME	SIGNATURE	DATE	Remarks:		
DRAWN	MOHD HUSNAIN		01-06-2024	TITLE: PORTABLE DIAGNOSTIC LAB		
CHEK'D				DWG NO. ACCD-240601-PDL-ASSM A4		
APP'VD				SCALE: NOT TO SCALE SHEET 1 OF 11		
Q.A				MATERIAL:		
Q.C				COLOUR:		





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FINISH:		DEBURR AND BREAK SHARP EDGES	<b><i>DIMENSIONS ARE IN MILLIMETERS</i></b>	DO NOT SCALE DRAWING	REVISION:
NAME	SIGNATURE	DATE	Remarks:		
DRAWN: MOHD HUSNAIN		01-06-2024			
CHEK'D			TITLE: BIOCHEMISTRY ANALYSER		
APP'VD					
Q.A			MATERIAL:	DWG NO. ACCD-240601-PDL-ANL-01 A4	
Q.C			COLOUR:	SCALE: NOT TO SCALE	SHEET 7 OF 11



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FINISH:		DEBURR AND BREAK SHARP EDGES	<b><i>DIMENSIONS ARE IN MILLIMETERS</i></b>	DO NOT SCALE DRAWING	REVISION:
NAME	SIGNATURE	DATE	Remarks:		
DRAWN: MOHD HUSNAIN		01-06-2024			
CHE'D			TITLE: BIOCHEMISTRY ANALYSER		
APP'VD					
Q.A			MATERIAL:	DWG NO. ACCD-240601-PDL-ANL-02 A4	
Q.C			COLOUR:	SCALE: NOT TO SCALE	SHEET 8 OF 31

6

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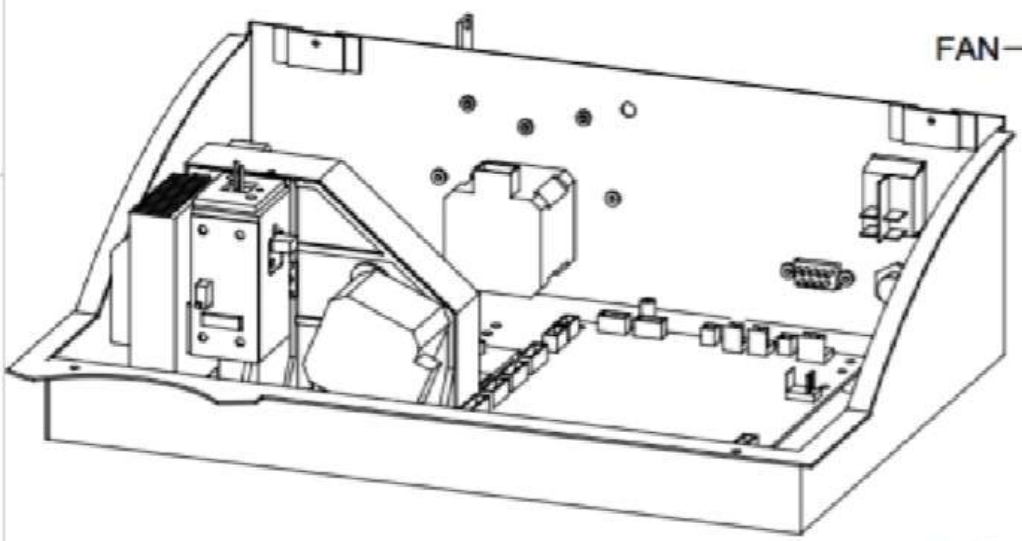
C

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STEPPER MOTOR FOR PERISTALTIC PUMP ASSM.

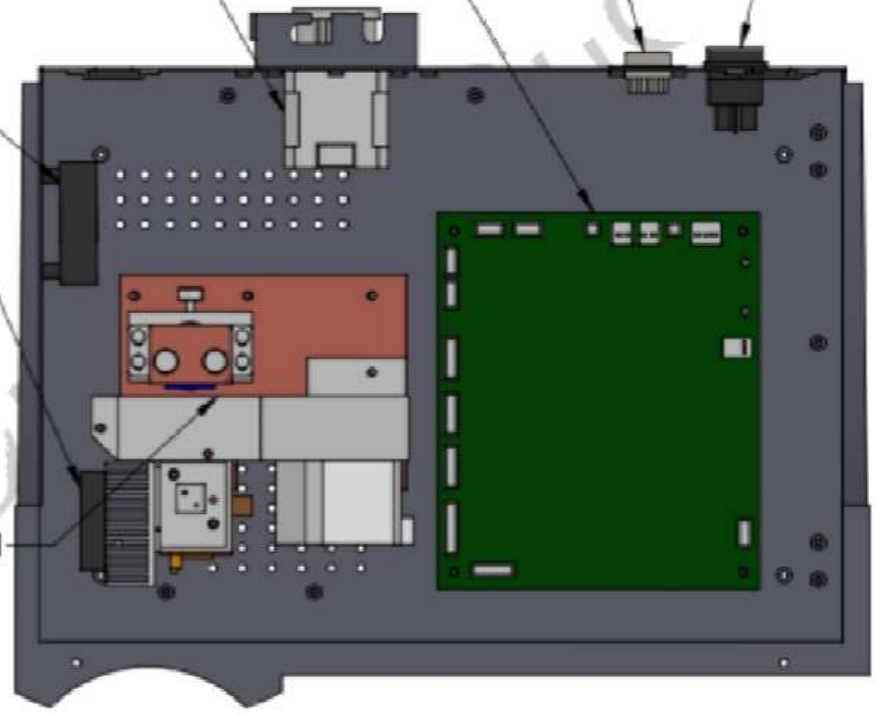
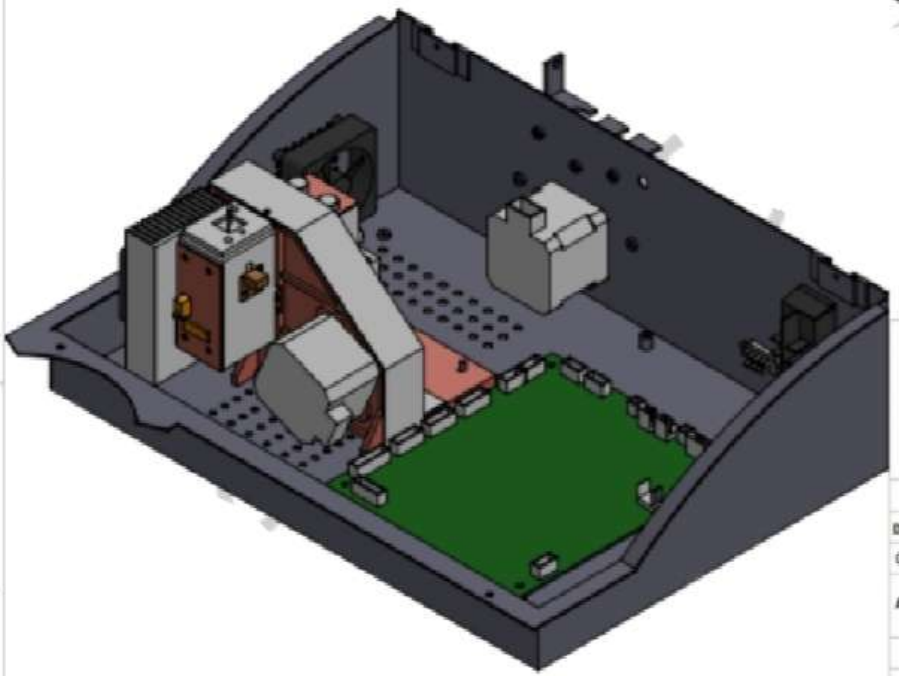
VGA CONNECTOR

PCB

SWITCH

FAN

OPTICAL SYSTEM



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FINISH:

DEBURR AND BREAK SHARP EDGES

***DIMENSIONS ARE IN MILLIMETERS***

DO NOT SCALE DRAWING

REVISION:

	NAME	SIGNATURE	DATE
DRAWN	MOHD HUSNAIN		01-06-2024
CHK'D			
APP'VD			
Q.A			
Q.C			

Remarks:

TITLE: **BIOCHEMISTRY ANALYSER**

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

SCALE: NOT TO SCALE

SHEET 10 OF 11

6

5

4

3

2

1

**Model Information**

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

**File**

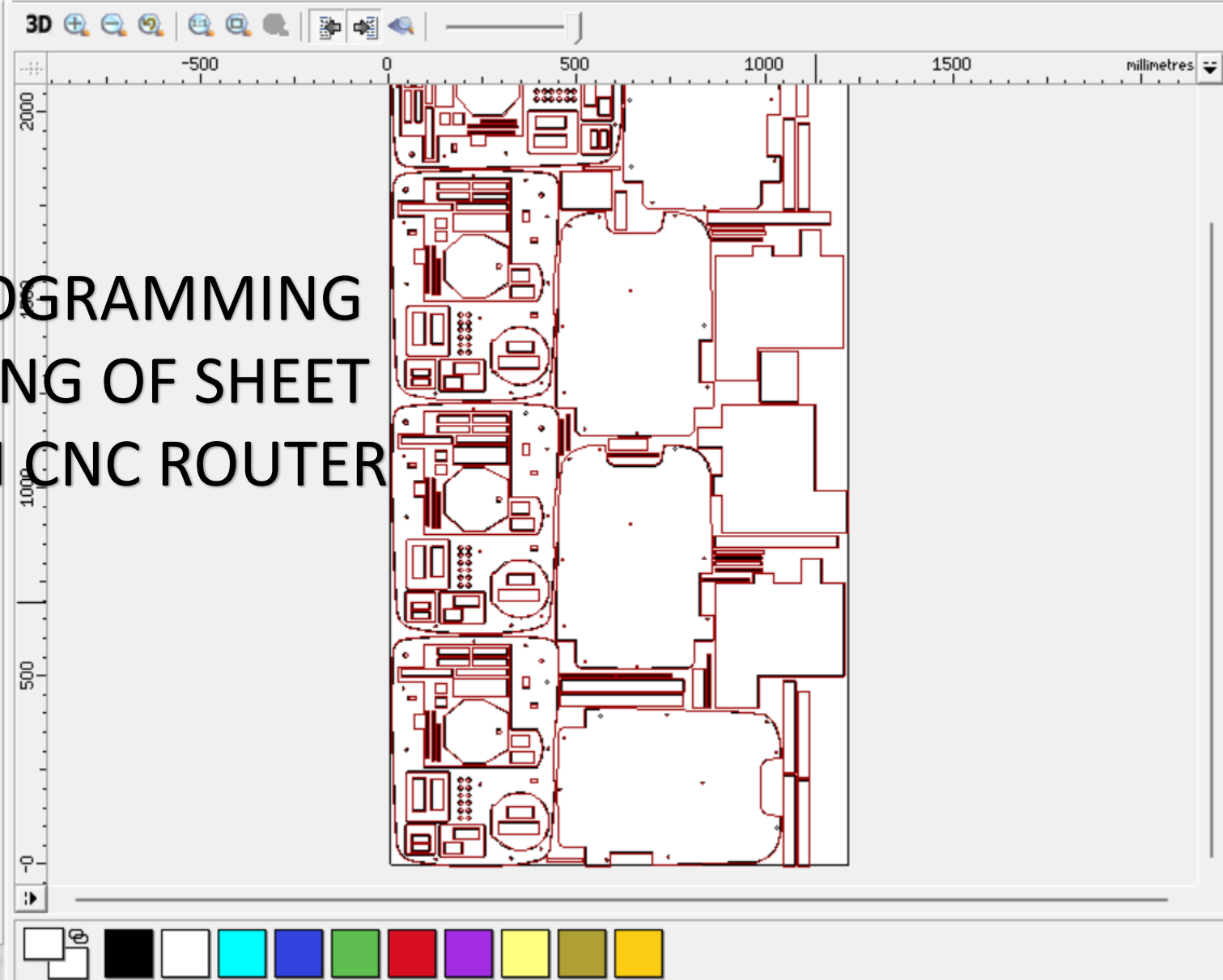
**Model**

**Bitmap Tools**  
Brush Diameter: 5

**Vector Tools**

**Position, Combine, Trim Vectors**

Project Assistant Toolpaths



**Vectors**  
Default Sheet

**Bitmaps**  
Bitmap Layer

**Reliefs**  
Front Relief  
Relief Layer

Layers Toolbox

# ArtCam PROGRAMMING WITH NESTING OF SHEET CUTTING ON CNC ROUTER

X: 1130.883 Y: 700.071 Z: 0.000

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

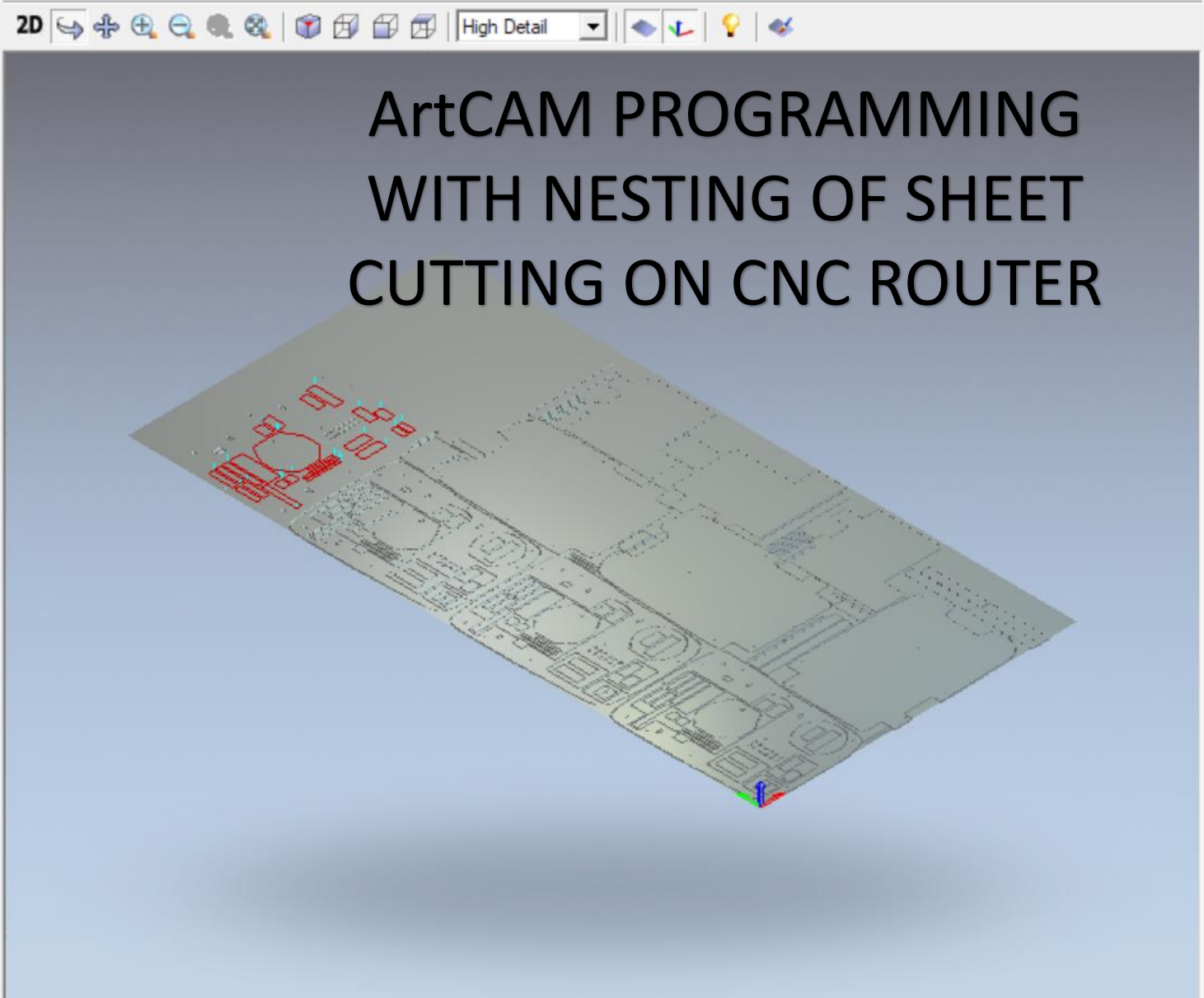
2D Toolpaths

3D Toolpaths

Toolpath Simulation

Draw  Inside Vector

Project Assistant Toolpaths



Vectors

Default Sheet

Default

Bitmaps

Bitmap Layer

Reliefs

Front Relief

Relief Layer

Layers Toolbox

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

THANK YOU!