

TI3D

www.TI3D.co.il

CRITICAL PARTS UNDER CONTROL

Control, Uptime, and Confidence

ENGINEERING CONTROL, DELIVERED

CONTROL OVER CRITICAL PARTS



Turn existing mechanical parts into organized engineering assets, so your team can act faster, reduce pressure, and stay confident when production depends on them.

READY-TO-USE FILE PACKAGE



Receive a complete digital package: 3D scan data, CAD model, manufacturing drawings, STEP files, PDF documentation, and visual renders for review and manufacturing.

CLOUD-BASED ENGINEERING DATA



Keep every file organized and accessible in the cloud, ready for future manufacturing, supplier quotes, internal review, and long-term maintenance planning.

FROM PART TO PRODUCTION

A complete engineering package that gives your team control, confidence, and a clear path back to manufacturing.



CAPTURE THE EXISTING PART

We scan the physical component and turn its geometry into reliable digital data — giving your team a clear starting point instead of uncertainty.



CREATE THE MANUFACTURING PACKAGE

We create the CAD model, drawings, STEP and PDF files needed for review, supplier quotes, and manufacturing — so the part becomes usable again.



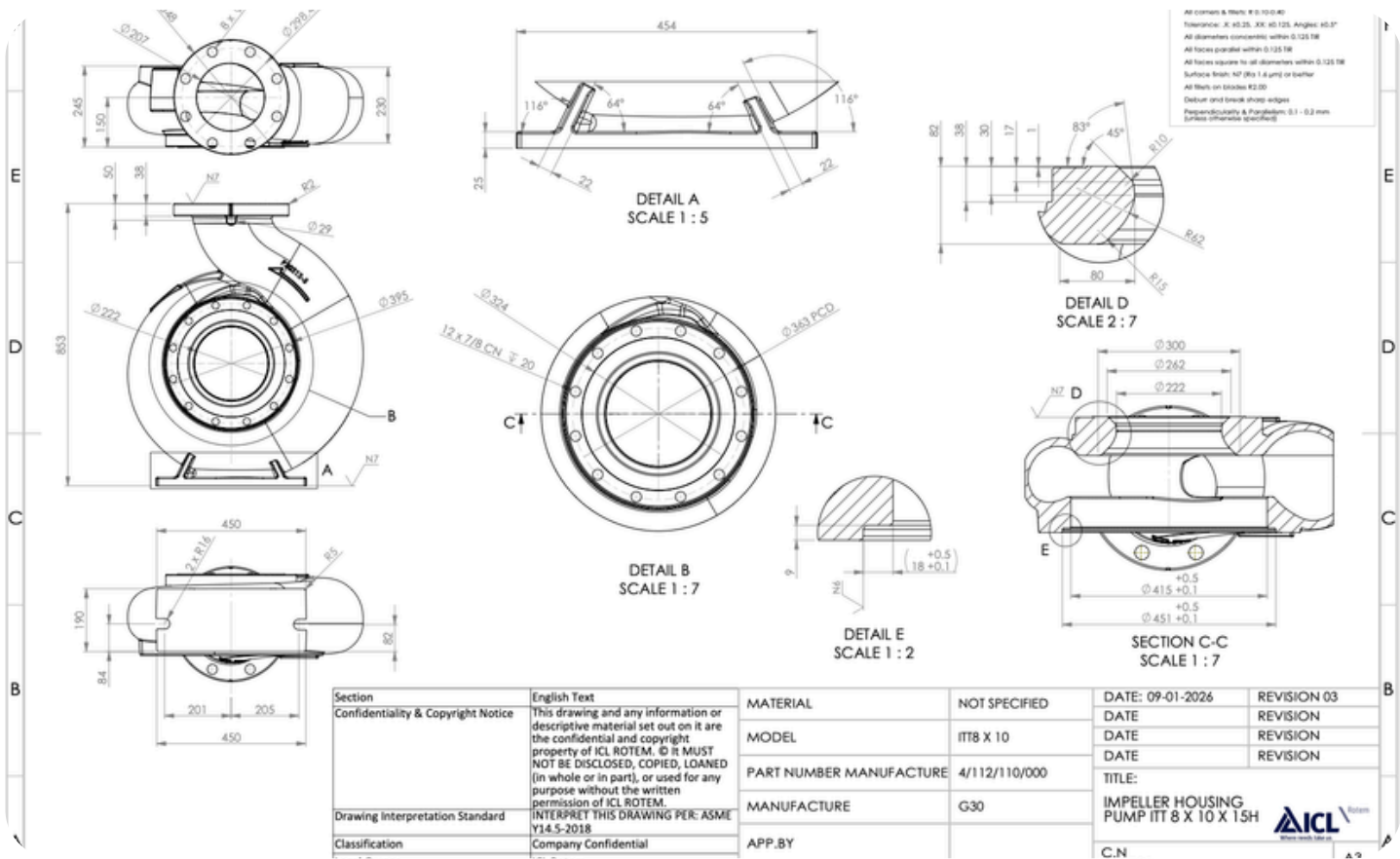
KEEP IT READY FOR NEXT TIME

All project files are organized in the cloud, ready for future production, maintenance, and supplier communication — so your team stays in control.

CASE STUDY

CENTRIFUGAL
PUMP CASING

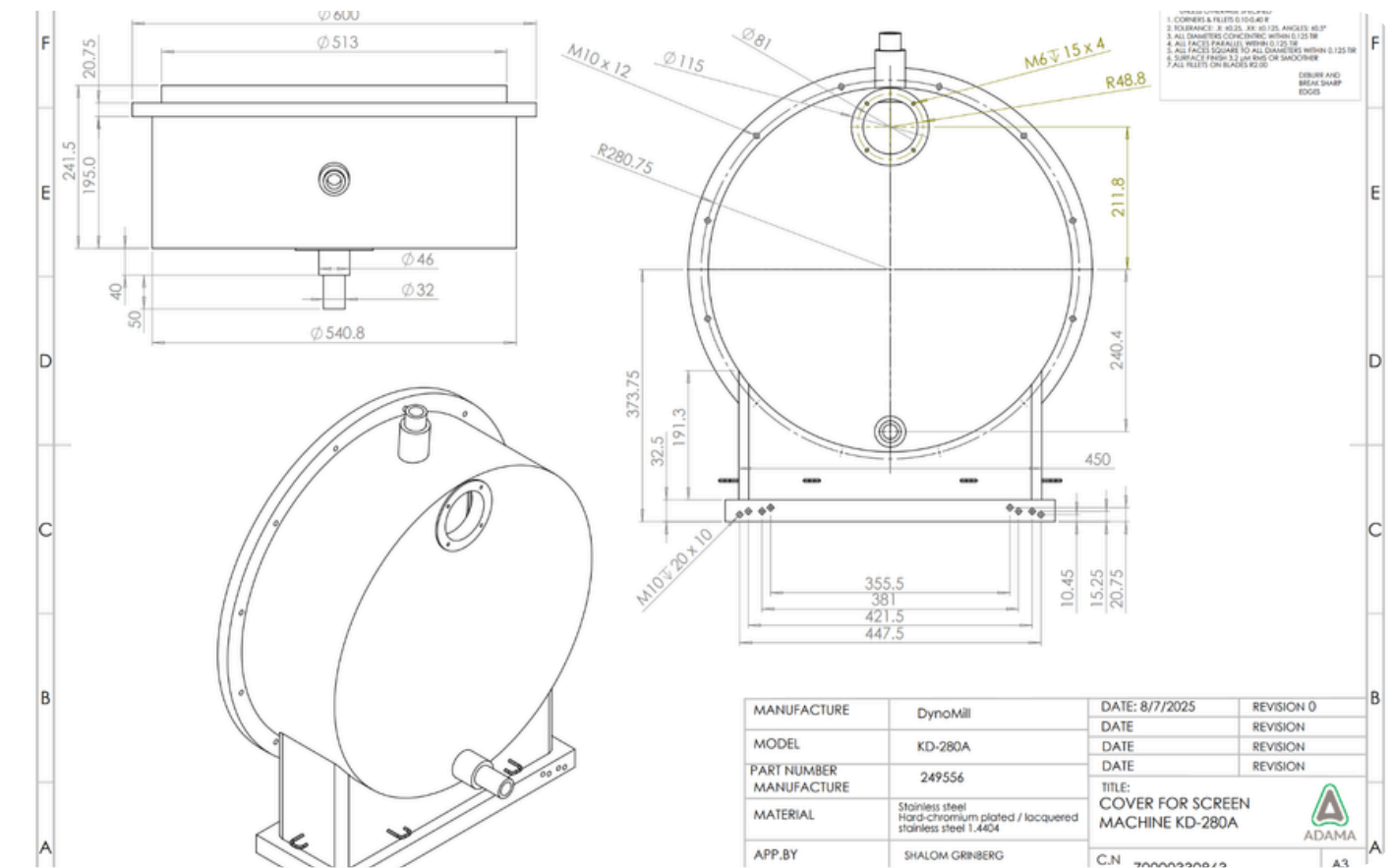
Reverse engineered into a parametric 3D model
and detailed manufacturing drawings for accurate
reproduction.



CASE STUDY

COVER FOR SCREEN MACHINE

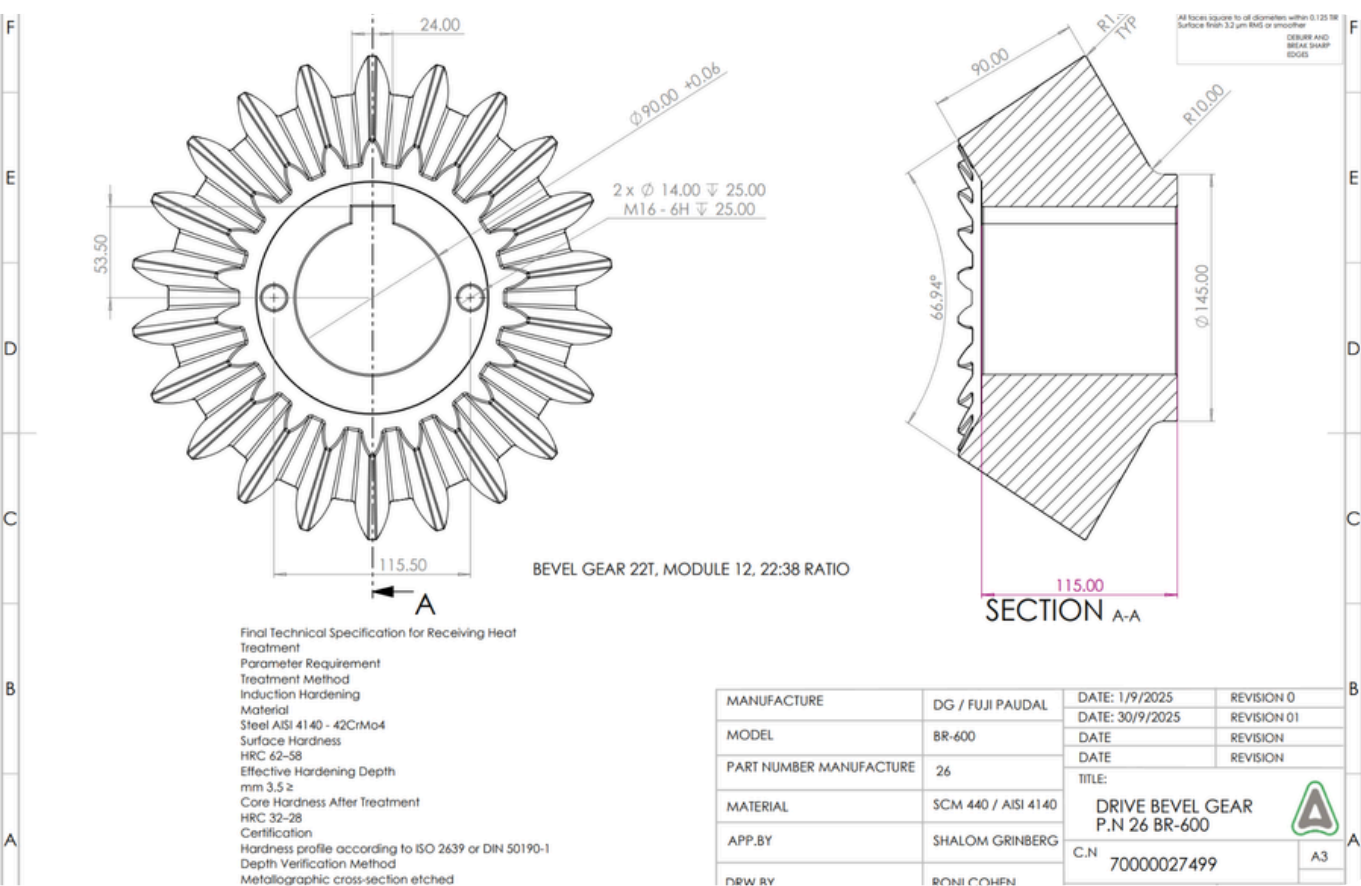
Reverse engineered into a parametric 3D model and detailed manufacturing drawings for accurate reproduction.



CASE STUDY

DRIVE BEVEL GEAR

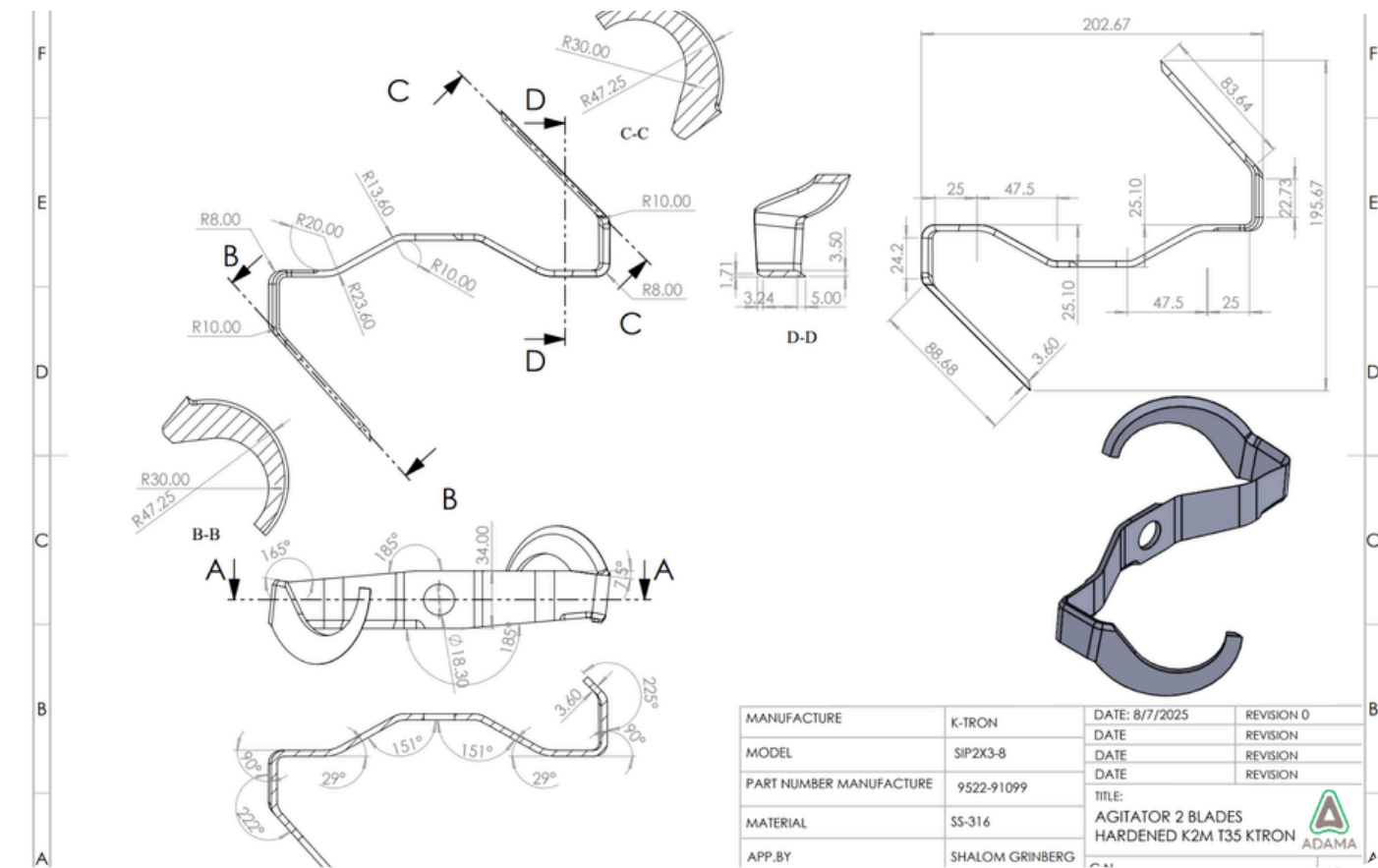
Reverse engineered into a parametric 3D model and detailed manufacturing drawings for accurate reproduction.



CASE STUDY

2-BLADE AGITATOR

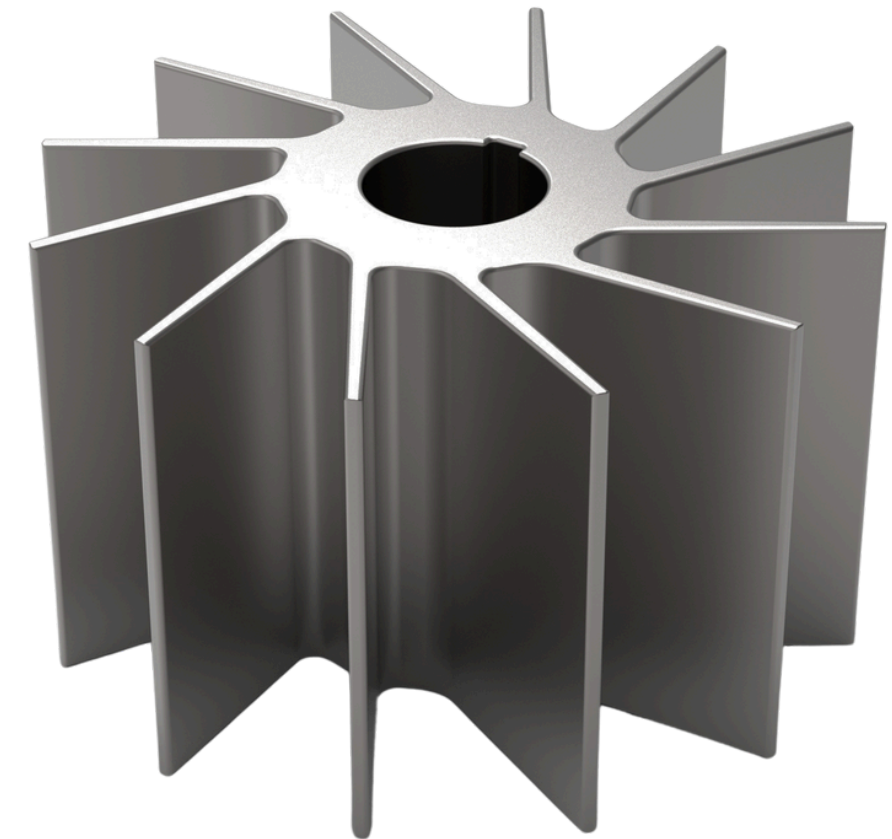
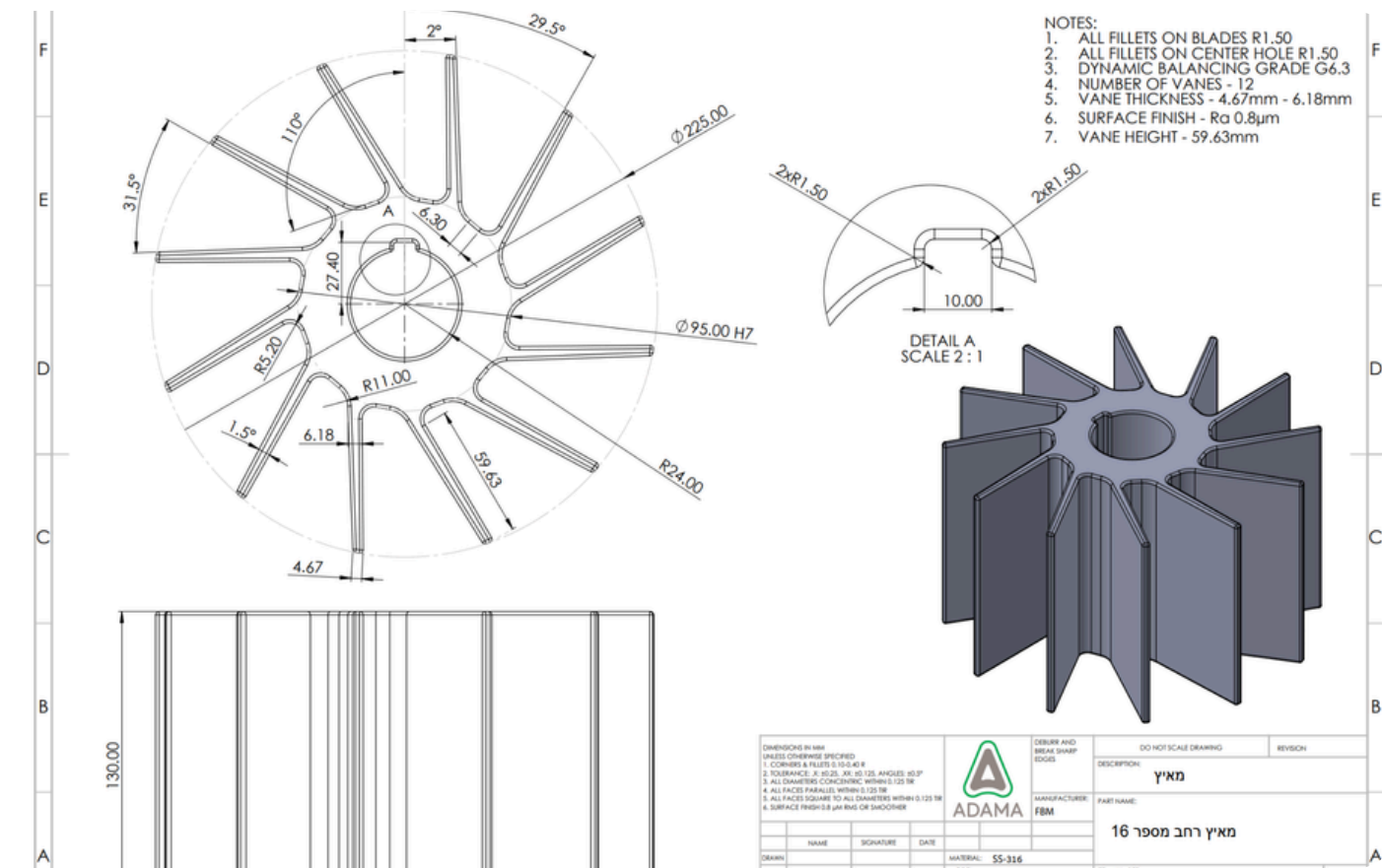
Reverse engineered into a parametric 3D model
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CASE STUDY

IMPELLER

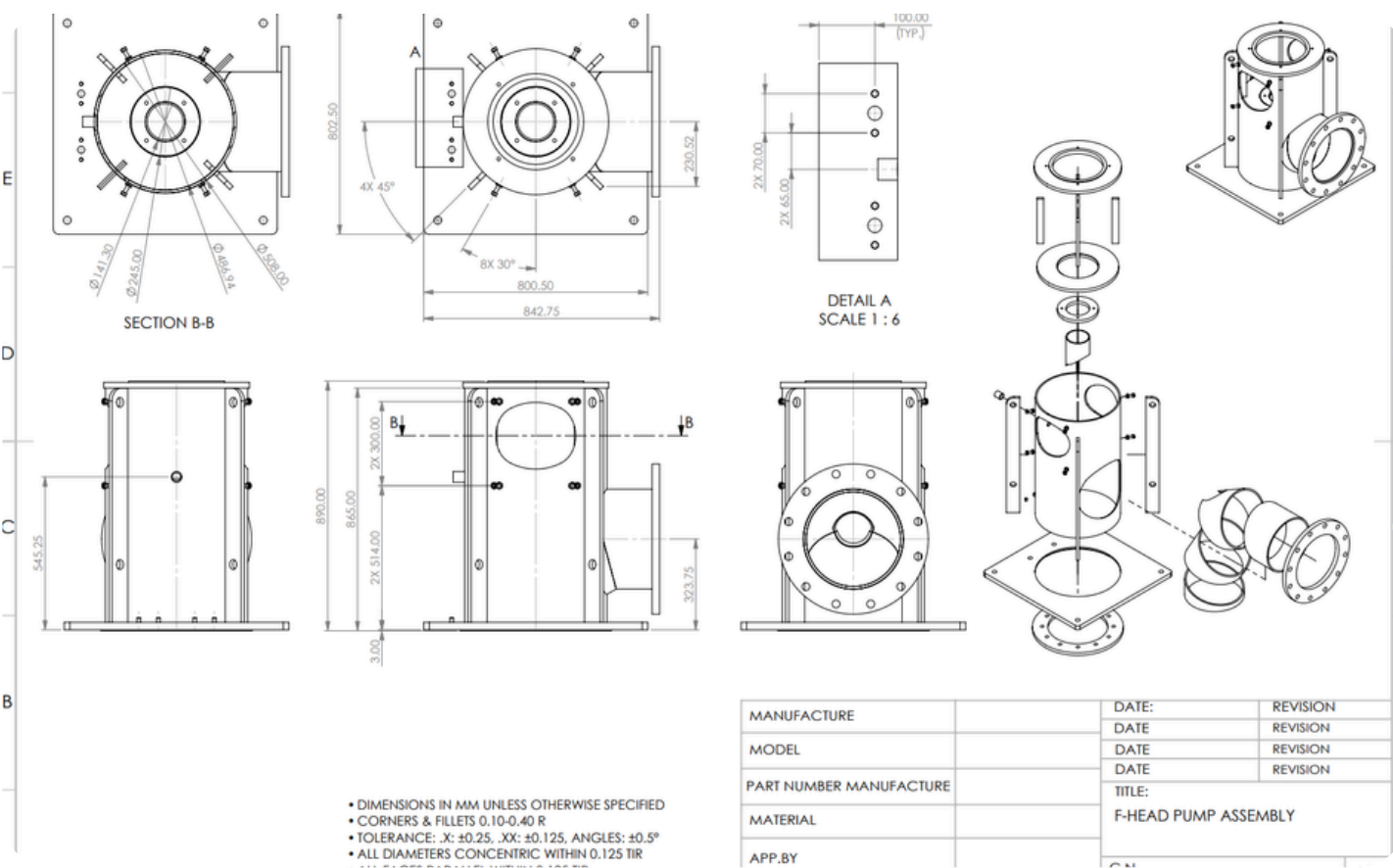
Reverse engineered into a parametric 3D model and detailed manufacturing drawings for accurate reproduction.



CASE STUDY

PUMP HEAD ASSEMBLY

Reverse engineered into a parametric 3D model and detailed manufacturing drawings for accurate reproduction.



Q&A



WHAT IS THE STANDARD PROJECT LEAD TIME?

A complete engineering package is typically delivered within 10–12 business days, with earlier delivery whenever possible.



CAN DAMAGED PARTS BE RECONSTRUCTED?

In many cases, yes. Missing geometry can be reconstructed using existing features, symmetry, mating components, and engineering analysis.



WHERE IS THE 3D SCANNING PERFORMED?

At your facility or ours, with flexible scheduling designed to minimize operational disruption.



HOW ACCURATE IS THE SCAN?

Scanning accuracy up to 20 μm , subject to part geometry and surface condition.

HAVE A CRITICAL PART WITHOUT DRAWINGS?

Send us a photo or the part details.

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TRUSTED BY INDUSTRY LEADERS

From critical replacement parts to complex engineering challenges, leading industrial companies rely on TI3D for accurate results, clear documentation, and dependable project delivery.