TECHTURE
— DESIGNS INC —

MECHANICAL SUPPORT FOR ROBOTIC CELLS.

TechTure designs and fabricates the mechanical hardware around a robotic process: the pedestal, fixture, tool interface and production support.



WHERE WE FIT

01 STEEL BASES

Pedestals and frames defined by cell layout, anchoring and service access.

02 FIXTURES

Nests, datum features and locators built around part presentation.

03 END-OF-ARM TOOLING

Gripper fingers, vacuum tooling and adapters planned around payload and utilities.

04 REPLACEMENT PARTS

Guards, wear items and short-run components for build and service.

FROM ROBOT BASE TO TOOL CENTER.

Mechanical packages are designed around reach, payload, wrist interface, process access and service. We support platforms from KUKA, FANUC and other manufacturers.



MECHANICAL DELIVERABLES

01

BASES & STRUCTURES

Pedestals, risers, base frames, mounting plates and tooling tables. Defined around layout, anchor pattern and service access.

02

FIXTURES & DATUMS

Nests, datum features, locators, weld and assembly fixtures, and changeover tooling built around part presentation and process access.

03

EOAT & COMPONENTS

Gripper fingers, vacuum tooling, adapter plates, sensor mounts, cable guides and replacement components.

INPUTS THAT DEFINE FIT

ROBOT	KUKA, FANUC or other model + wrist flange	**FIXTURE**	Datums and process forces
LOAD	Tool and part mass / centre of gravity	**UTILITIES**	Air, vacuum, sensors and cable routing
MOTION	Reach, approach and clearances	**CELL**	Anchoring, guarding and service access

A SIMPLE PLACE TO START

A cell layout, robot model, part drawing and process description establish the starting point. We define the interfaces, materials, quantity and deliverable with your team.

FROM RFQ TO CELL FLOOR.

Defined mechanical scope for new cells, line changes, commissioning fixes and ongoing support.

01 DESIGN TO THE INTERFACE

Develop or adapt drawings around the selected robot model, tool flange, pedestal envelope, fixture datums and required clearances.

02 FABRICATE IN-HOUSE

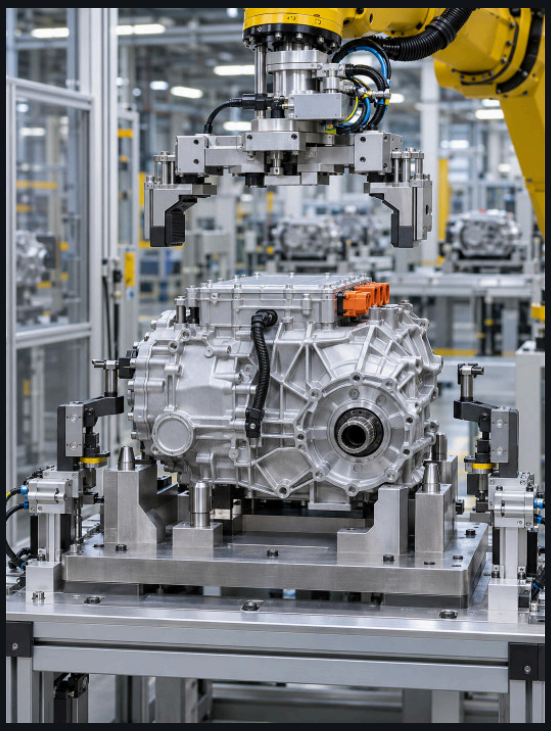
Welded steel bases, frames, mounting plates, brackets and dedicated fixtures produced to the approved design and agreed tolerances.

03 BUILD TOOLING & CUSTOM COMPONENTS

SLA, SLS and FDM parts for gripper fingers, vacuum tooling, sensor mounts, covers, guides and low-volume handling aids.

04 SOURCE, REPLACE & FULFILL

Identify and supply hard-to-source items, replacement parts, wear components and repeat orders for commissioning, maintenance and spares.



INTEGRATOR SUPPORT ACROSS INDUSTRIES

Automotive / Packaging / Food & beverage / Material handling / Consumer products / General manufacturing

HAVE A MECHANICAL PACKAGE TO QUOTE?

SEND THE CELL LAYOUT OR PART DRAWING.

Your team owns controls, robot programming, safeguarding and final cell validation. TechTure delivers the agreed mechanical scope.

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www.techturedesigns.ca

info@techturedesigns.ca

(519) 636-9375

Illustrative imagery. Robot interfaces, loads, anchoring and guarding are defined against project specifications with the integrator.