



**OREGON INSTITUTE OF TECHNOLOGY
PUBLIC IMPROVEMENT CONTRACT**

PLANS, SPECIFICATIONS, AND DRAWINGS

**PROJECT: BID #2025-04 OMIC R&D – HM1000 FOUNDATION AND
MACHINE INSTALLATION**

Project Completion: All Work must begin within three (3) days of the date of the Notice to Proceed. All Work must be fully completed prior to March 20, 2026.

Oregon Tech will be closed on December 24, 2025; December 25, 2025; December 26, 2025; January 1, 2026; January 2, 2026; and January 19, 2026. No Work may be performed on those dates.

Time is of the essence for this Project. Please note the Liquidated Damages requirements as described in the Supplemental General Conditions.

Project Scope: This Project includes the installation of a heavy slab foundation within existing floor and installation of the DN Solutions HM 1000 hard metals roughing machine. Contractor must certify it has (A) successfully managed the installation of a foundation with dimensions, load capacity, and structural complexity matching those required of the HM1000 in Oregon or Washington, and (B) successfully installed a precision machining center with machine size, accuracy, and operational specifications comparable to those of the HM1000 (see HM1000 Instruction Manual included as Attachment 5).

The selected Contractor shall perform the following scope of services in accordance with the project drawings, specifications, and all applicable codes and standards:

- Cut out and install a heavy slab within the existing floor footprint as shown in the construction drawings included as Attachments 2 and 3.
- Provide and install plastic sheeting from the ceiling to the floor to create a dust containment barrier around the demolition/excavation site.
- Remove and legally dispose of all demolition debris and excavation material in compliance with environmental and disposal regulations.
- Execute all work in strict adherence to the notes and specifications provided in AKAAN Architecture and Design LLC Plans included as Attachment 1.
- Allow a 30-day cure time for the heavy slab and demonstrate strength of the pour via cylinder testing prior to placing any machinery on the heavy slab.
- Coordinate building access for concrete delivery vehicles to perform slab placement. Pumping methods may be utilized at the Contractor's discretion, subject to coordination

and approval by Oregon Tech's representative.

- Upon successful completion of 30 day curing and cylinder testing, apply Ghostshield SiloXA-Tek 8510 concrete sealant (or approved equivalent) to the heavy slab surface prior to machinery installation.
- Offload, uncrate, and position all components of the HM1000 machining center from delivery trucks onto the designated slab area, in accordance with the reference drawings provided in Attachment 4.

Delivery crates arriving are as provided below:

WEIGHT & DIMS		Box Seq.	L	W	H	NW / Lbs	GW / Lbs
			Dimension(Inch)			Weight in Lbs	
Sales Model	Box Seq.	L	W	H	NW / Lbs	GW / Lbs	
HM 1000 / B-AXIS / 6K / 120 ATC / CC	1	192.9	106.3	143.7	26,235.0	29,101.0	
HM 1000 / B-AXIS / 6K / 120 ATC / CC	2	220.5	90.6	70.9	17,637.0	19,621.1	
HM 1000 / B-AXIS / 6K / 120 ATC / CC	3	212.6	90.6	128.0	14,330.0	16,975.6	
HM 1000 / B-AXIS / 6K / 120 ATC / CC	4	212.6	88.2	78.7	3,968.3	5,401.3	
HM 1000 / B-AXIS / 6K / 120 ATC / CC	5	189.0	90.6	78.7	3,417.2	4,629.7	
HM 1000 / B-AXIS / 6K / 120 ATC / CC	6	267.7	118.1	135.8	6,613.9	8,818.5	
HM 1000 / B-AXIS / 6K / 120 ATC / CC	7	120.1	65.0	45.3	5,070.6	5,842.2	

- Assemble and bolt all sections of the HM 1000 together with provided bolts to “snug-tight.” Final tightening to torque specifications to be performed by the original equipment manufacturer (OEM).
- Level and mount all machinery and allow to sit fourteen (14) days to the new foundation per manufacturer's recommendations, including any hard shimming and grouting.

Project Location: Building 1 at the Scappoose OMIC R&D Campus located at 33701 Charles T. Parker Way, Scappoose OR 97056.

Attachments:

1. Attachment 1 – AKAAN Architecture and Design LLC Plans
2. Attachment 2 – PSE Calculations
3. Attachment 3 – PSE Drawings
4. Attachment 4 – HM1000 Foundation Plan
5. Attachment 5 – HM1000 Instruction Manual

Design Team: AKAAN Architecture & Design LLC is the architect/engineer of record for this Project.