Overflow CNC capacity for aluminum parts

Hyprecision Engineering is a CNC machine shop running Haas 5-axis, large 3-axis, horizontal and turning equipment that we own and operate in one shop. We take overflow aluminum work from primes and tier-1 suppliers, from prototypes to production lots, with fast quotes and a same-day review by an engineer. Located in the South Bay Los Angeles area.

CORE CAPABILITIES

5-axis milling
Haas UMC 750 and Haas VM6 with TR310 trunnion.

Large 3-axis milling
Haas VM6 with the trunnion removed (64 × 28 in table), plus three Haas VF-4SS mills.

Horizontal machining
Mori Seiki SH630 with a 2-pallet changer: one pallet is loaded while the other runs.

CNC turning
Haas ST-20Y with live tooling, Y-axis and bar feed.

EQUIPMENT

MACHINE	ENVELOPE
Haas UMC 750 5-axis	Travels 30 × 20 × 20 in Ø27 in max part on the trunnion 660 lb part + workholding
Haas VM6 + TR310 5-axis or large 3-axis (trunnion removed); extended Z, 8 in riser	Travels 64 × 32 × 30 in 5-axis: Ø31 in part swing, 500 lb on the platter Large 3-axis: 64 × 28 in table, 4,000 lb
Mori Seiki SH630 (2-pallet) Horizontal machining center	Travels 33.1 × 29.9 × 33.1 in 630 mm (24.8 in) square pallets 2-pallet changer
Haas VF-4SS ×3 3-axis, 4th-axis and 5-axis setups	Travels 50 × 20 × 25 in 1,750 lb on the table Three machines: one with TR210 trunnion (5-axis), one with HRT160 rotary (4th axis), one open table
Haas ST-20Y + bar feeder CNC turning, live tooling, Y-axis	2 in bar capacity 21 in max cutting length

Machine travels and published limits. Usable part size depends on fixturing.

MATERIALS AND QUANTITIES

- Non-controlled aluminum: 6061-T6, 7075-T6, 2024-T3, 5052-H32 and MIC-6 cast tooling plate.
- Prototype to production lots. Online quotes cover 1–500 pieces; larger programs by phone.
- Titanium, Inconel and stainless: quoted by an engineer by phone.



MORI SEIKI SH630 (LEFT) AND HAAS VM6 (RIGHT), OUR SHOP FLOOR

HOW QUOTING WORKS

01 Upload a STEP file at hyprecision.com.
02 Get a draft estimate: price range and lead time from our own shop rates.
03 An engineer reviews it the same business day.
04 You receive the official quote.

COMPANY DATA

COMPANY
Hyprecision Engineering, Inc.

REGISTRATION
Active SAM.gov registration

CAGE CODE
26L73

CONTACT

MAIN SHOP LINE
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QUOTE REQUESTS
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