



NARROW WEB COATING

PILOT COATING SYSTEMS

DRAW DOWN AND SHORT RUN SYSTEMS

Please take the time to view this material about our coating equipment. Our goal is to provide our customers with customized solutions for their coating needs. Contact us with your requirements.

VITROM MFG. CONSULTANTS COATING TECHNOLOGY

- **SLOT DIE COATER**
- **MAYER ROD COATER**
- **FLOODED NIP BLADE COATER**
- **COMMA BAR COATER**
- **KNIFE COATER**
- **REVERSE ROLL COATER**
- **ROLL PRESURE**
- **OFFSET AND DIRECT GRAVURE COATER**
- **LAMINATORS**
- **CANTILIVERED ROLL DESIGN**
- **WEB SPEEDS TO 500 FPM**
- **FULLY INTEGRATED TENSION AND SPEED CONTROLS**
- **INTEGRATED LAMINATOR**
- **MULTIPLE DRYING AND CURING CAPABLLITIES**

Vitrom Manufacturing Consultants is a company dedicated to design and fabrication of customized manufacturing equipment and the development of manufacturing processes. We provide our customers complete solutions for their manufacturing needs.

VISIT US AT WWW.VITROM.COM

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COATING SYSTEMS

Narrow Web Coating System.

Max width is 6 inch.

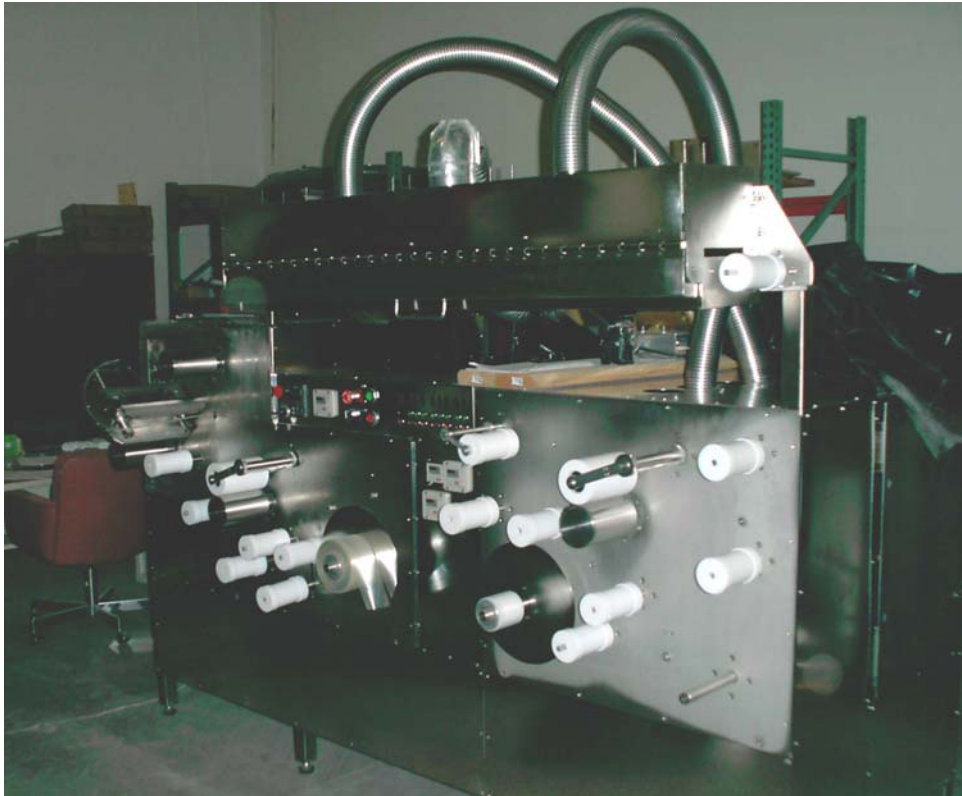
Like new condition with less than 100 hours of operation.

Originally designed and used as a process development coating system.

The perfect machine for research and limited production in the pharmaceutical or medical fields.

Compact design suitable for clean room applications.

From US\$65,000



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FEATURES:

- Tubular stainless frame with all enclosed components.
- Interlock system on all guards.
- Six inch wide coating capability.
- The coating section can accommodate Mayer rod, slot die, comma bar and trail edge applications. Currently it is fitted with a custom Mayer rod coating head.
- All components in the coating side of the machine are stainless steel or Teflon.
- Clutch unwind shaft with pull roll and tension control.
- 3" cores on all wind shafts.
- Two coating rolls allowing for two coating applications in the same pass.
- Capable of coating speeds as low as 2 IPM and as high as 200 FPM. Currently set to max speed of 32 FPM.
- Rewind section with isolated tension control and capable of operating as a laminator.
- Sixty (60) inch long floatation air impingement dryer with two zones.
- The dryer is all stainless double wall construction with a hinged door. The height of the top impingement headers can be adjusted.
- Each zone has a blower with 3 phase VFD motor and temperature control. The blower is stainless on all air stream components.
- The heaters are 6 Kw each all stainless construction double wall construction.
- Watlow temperature controls.
- Idec PLC.
- Yaskawa drives.
- Electrical is 208/240 VAC 50 Amp 5 wire.

Cantilever system with all edges rounded for easy of cleaning. All components are ergonomically placed for easy of operations.



Modular backing plates allow for design and integration of different coating methods without modifications on the machine's web transport.

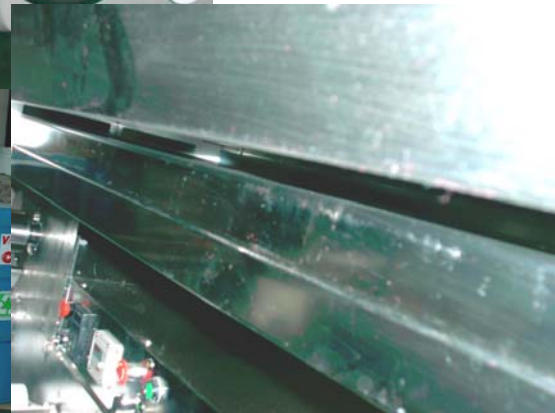
CONTROLS:

- WEB Speed.
 - Unwind Pull Roll Speed- VFD controller 0 to 60 HZ with .2 HZ resolution
 - Dryer Pull Roll Speed- VFD controller 0 to 60 HZ with .2 HZ resolution
- WEB Tension.
 - Rewind Shaft Speed- VFD controller 0 to 60 HZ with input from dancer position.
 - Laminator Unwind Shaft- Particle clutch 0-90 VDC
- Temperature Control. Watlow controller located on the front panel. Two zones with temperature probes located at the output of the heater assemblies.
- Flow Control. Two high pressure blowers assure enough air flow for low temperature drying applications.
 - VFD controller 0 to 60 HZ with .2 HZ resolution to control the motor speed of the blowers.
 - Manual diverter dampers regulate the air flow in the floatation bed.
 - Exhaust blower operating at constant speed 400 CFM 4" diameter exhaust port.
- Coating Head Controls-
 - One VFD controller dedicated for coating roll speed.
 - Pneumatic air regulation for coating head engagement.
 - Independent adjustable stops.



Easy access to the control panel

Easy access of the dryer for threading and cleaning.



Laminator ready system for interleaf applications and laminations.

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Your Process and Equipment Solution

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FROM \$28,000

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MAX. HEIGHT CLEARANCE ABOVE GRANITE SLAB- 1/2"

Overall dimensions: □

35 1/2" (L) x 27" (W) x 32" (H) □

Coating area is 14" x 20" (35 cm x 50 cm). □

Working Surface: □

Standard - 15 x 21 in. Granite Slab □

Substrate Thickness: □

Can accommodate Max. thickness of 1/2" □

Min. Wet Thickness of 0.0015" (38 mm) □

Maximum Speed of 1200 ipm (3048 cpm). □

Minimum Speed of 15 ipm (38 cpm). □

Traverse Speed Accuracy: <0.5 in/sec □

Input Power: 240VAC, 3PH, 20AMPS, □

60Hz □

Control Voltage: 12 VDC □

Stroke Length: Adjustable □

PLC Controlled, VFD Drive system □

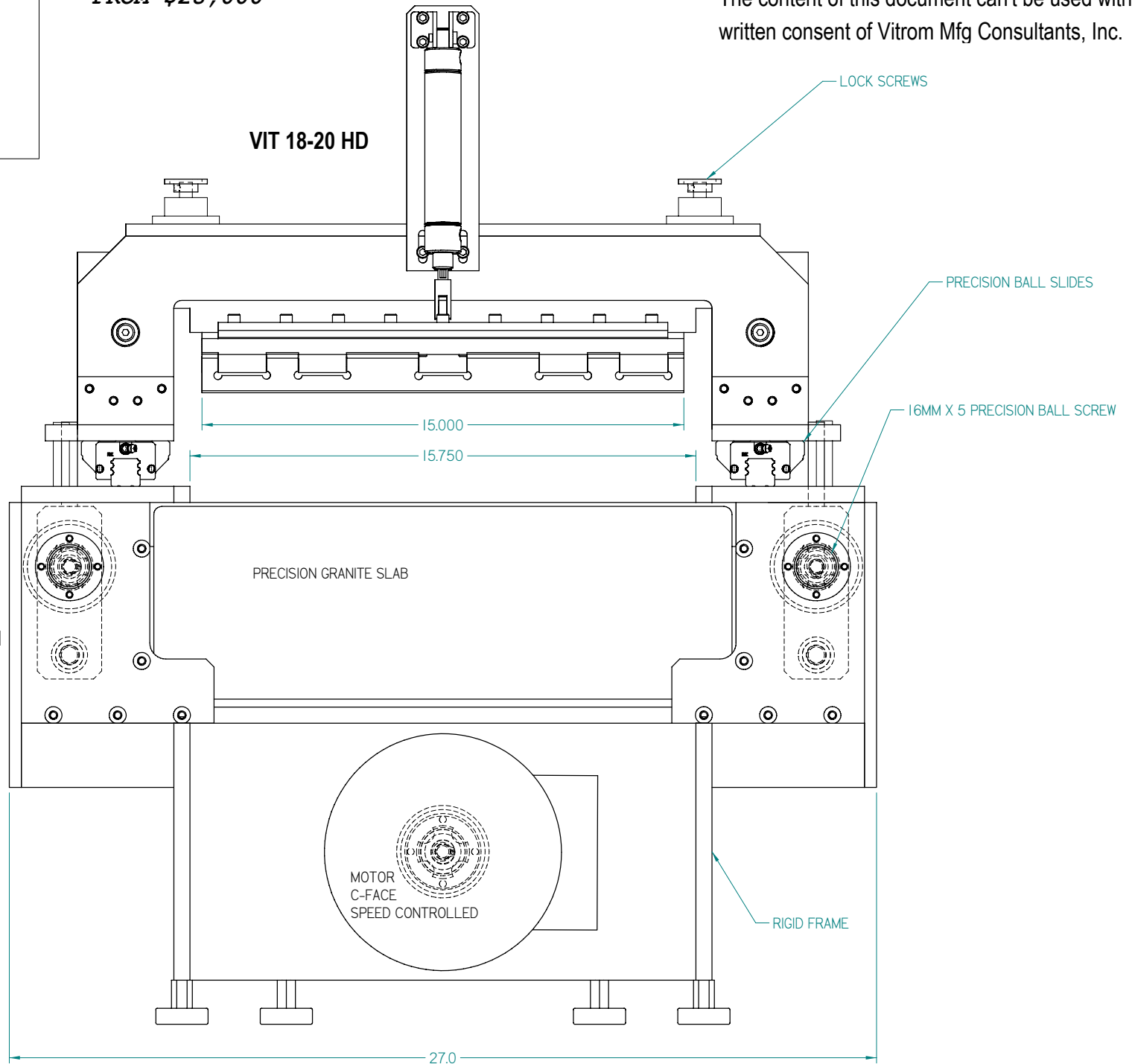
Bidirectional Drive System □

Static Torque Rating of 420 oz - in □

Surface Load: Not to exceed 35 lbs. □

Jog Positioning Capability □

Separated Control Panel □



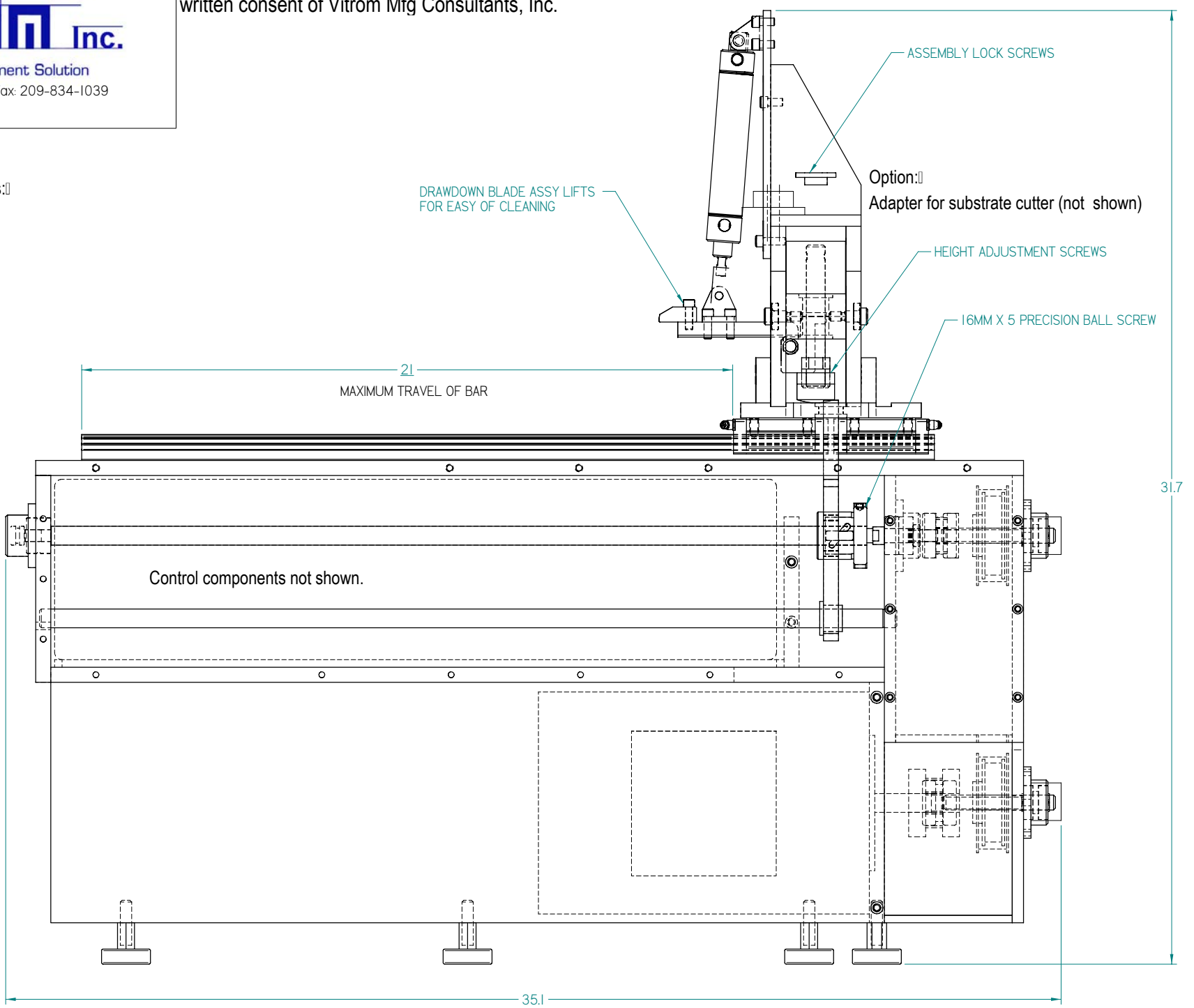


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- Possible draw bar configurations:
 - Straight Edge Bar
 - Comma Bar
 - Polished Rod
 - Slot Die Extrusion
 - Mayer Rod
 - Squeeze Bar
- Total enclosure is optional



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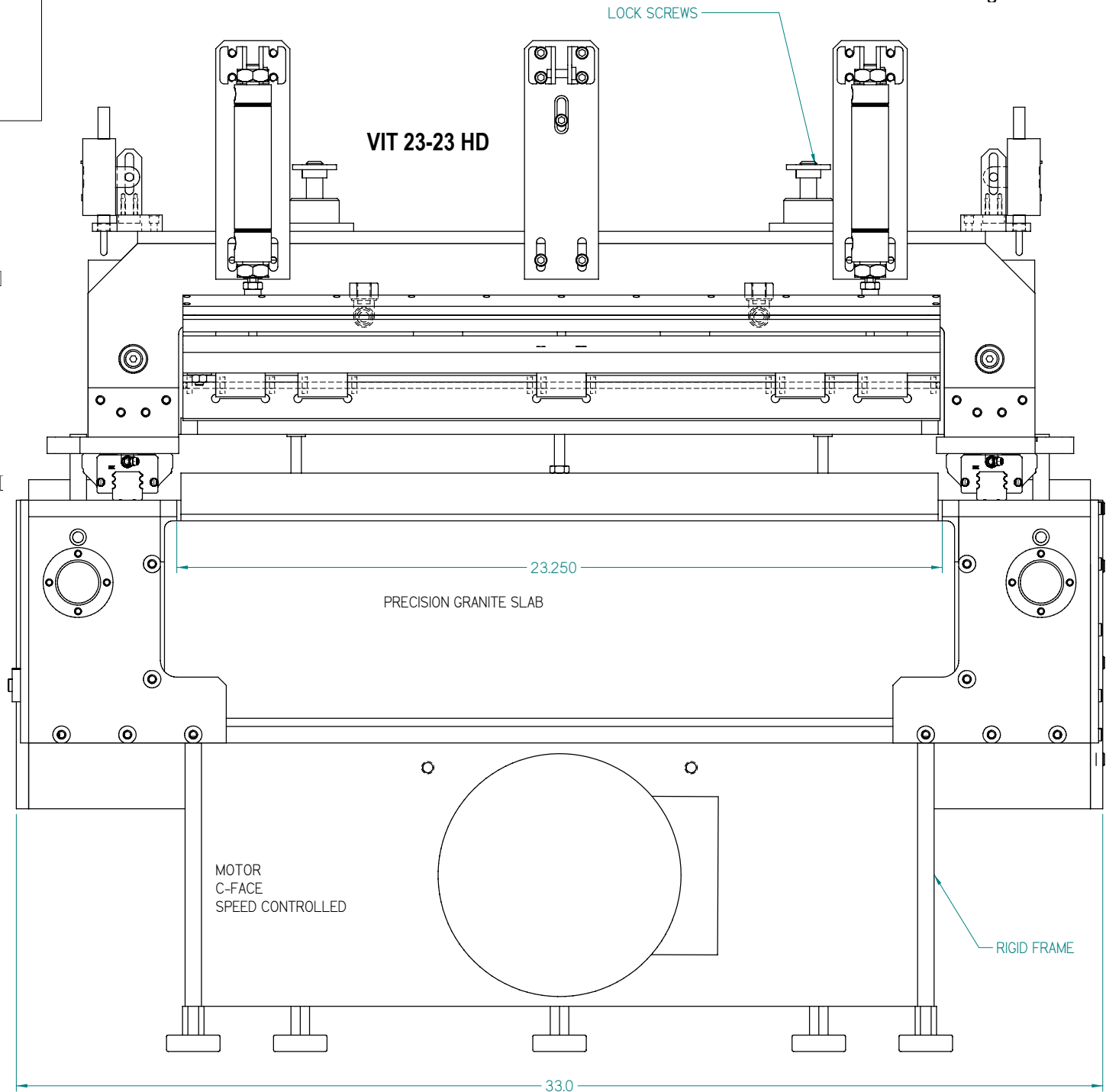
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FROM \$40,000

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Overall dimensions:

40" (L) x 27" (W) x 32" (H)

Coating area is 23" x 23" (58 cm x 58 cm).

Working Surface:

Standard - 23 1/4 x 24 in. Granite Slab

Substrate Thickness:

Can accommodate Max. thickness of 1/2"

Min. Wet Thickness of 0.0015" (38 mm)

Maximum Speed of 1200 ipm (3048 cpm).

Minimum Speed of 15 ipm (38 cpm).

Traverse Speed Accuracy: <0.5 in/sec

Input Power: 240VAC, 3PH, 20AMPS,

60Hz

Control Voltage: 12 VDC

Stroke Length: Adjustable to 23"

PLC Controlled, VFD Drive system

Bidirectional Drive System

Tilt Drawbar for easy cleaning

Continuous Substrate Feed capable

Substrate stopper / holder

Automated Slurry Feed

Static Torque Rating of 420 oz - in

Surface Load: Not to exceed 35 lbs.

Jog Positioning Capability

Separated Control Panel



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Possible draw bar configurations:

- Straight Edge Bar
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- Polished Rod
- Slot Die Extrusion
- Mayer Rod
- Squeeze Bar

Total enclosure is optional

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