

Armor Contract Manufacturing, Inc.
dba



**ARMOR
ACUBAR**



We offer a wide variety of machining capabilities as well as the expertise of our trained and highly experienced staff. Our 40,000 sq. ft. manufacturing building is safe, clean, and organized for efficient parts flow and throughput. We specialize in OEM & Aftermarket Machined Components and can duplicate problematic parts from samples or sketches for obsolete equipment.

Our ability to hold close tolerances and unique large-part capabilities have made us an ideal vendor for energy (including nuclear, hydroelectric, and oil and gas), food & chemical processing, agriculture, plastics, die casting, aerospace, defense, utility and aluminum extrusion industry applications.

1055 North Shore Drive, Benton Harbor, MI 49022
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www.ArmorContract.com





ARMOR ACUBAR



**American Systems
REGISTRAR**
5281 Clyde Park Ave. SW, Suite 1
Wyoming, MI 49509 USA
www.asrworldwide.com
616-942-6273



American Systems Registrar, LLC, a provider of third-party system registration and accredited by the ANSI National Accreditation Board attests that:

***ARMOR CONTRACT MANUFACTURING, INC.
DBA ARMOR ACUBAR
1055 NORTH SHORE DRIVE
BENTON HARBOR, MI 49022***

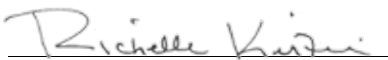
with a scope of:

***CONTRACT MACHINING SERVICES SPECIALIZING IN
LARGE PRECISION TURNING***

has established a quality management system that is in conformance with the International Quality System Standard

ISO 9001:2015

ASR Certificate Number:	3020
Date of Certification:	June 4, 2024
Date of Certification Expiration:	June 3, 2027
Date of Initial Registration:	July 13, 2006
Revision:	
Re-Issue Date:	


President

CERTIFICATE OF REGISTRATION

Shafts



Hydroelectric Turbine Shaft



**414.75" long Hydroelectric Turbine Shaft
for retrofit**

Shafts



Electric Rotor Shaft

End face square &
flat with 0.0005"



Electric Rotor Shaft

Bearing diameters 0.0005" tolerance & cylindricity

Shafts



**Electric Rotor Shaft
Fully Assembled**



**AISI-4330M Splined
Shafts for Energy Sector**



**Gas Turbine
Generator Shaft**

10.25" diameter x 319" oal
Straight withing 0.002" TIR

Shafts



12" diameter x 446" long
shaft for friction
welding machine



Draw Works Shaft



AISI-4330M Splined
Shafts for Energy Sector



Drumshaft

Shafts



**Press Shaft with
Induction hardened ppines**



**Spline Milling
on Long Shaft**



**Derive Shaft with
internal keyway**



Drumshaft

Shafts



**1000T Top Drive
Stem Shaft**



**750T Top Drive
Stem Shafts**



**441" Long Screw Shaft
Assembly**

Fabricated from
7 individual componets



Screw shaft sssembly
in the 6-axis mill for keyways -
including one 390"
long keyway

Shafts



Fan Shaft



**Fan Shaft
for adjustable
pitch blades**

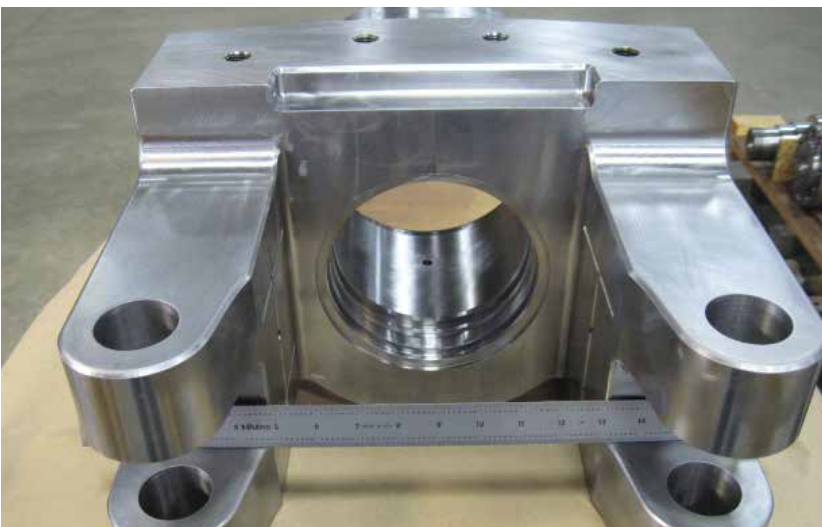
Shafts



**Oil & Gas
splined drive
shafts**



**Oil & Gas
subsea
connector**



**Oil & Gas
Top Drive
jaw component**

Shafts



**Oil & Gas
sprocket
drive shaft**



**Oil & Gas
Drum Shaft**

Shafts



**1000T Top Drive
Stem Shaft**



**750T Top Drive
Stem Shafts**



**441" long screw shaft
assembly**

Fabricated from
7 individual componets



**Screw shaft assembly
in the 6-axis mill for keyways -
including one 390"
long keyway**

Shafts



Testing program for
sub sea configuration
optimization



Two-platen die cast tie bar
featuring close tolerance
groove positions



6-pc fabricated
mixing screw shaft
for carbon paste processing



16rms - 0.4Ra um
plished surface

Custom Industrial Machining



Replacement die carrier
for aluminum
extrusion press



9000T steel nut for
plastic injection
molding machines

Custom Industrial Machining



Trying nuts on tie bars to assure fit & measuring the clearance with an indicator

Tie bars & nuts ordered in sets are tried on to verify fits & a ledger is sent with shipment. All parts serialized & traceability maintained throughout the manufacturing process



Reversed engineered machine adjustment screw, nitride



Measuring splines over wires



Repair of Ring Roll machine components

Custom Industrial Machining



Machining Camshaft



Measuring groove locations
with laser



Final inspection of
precision configuration profile



Axial roll sleeve with
laser hardened ID tapers

Custom Industrial Machining



Machining Camshaft



Die cast tie bar



Steel Mill Rolls



Forge press bars

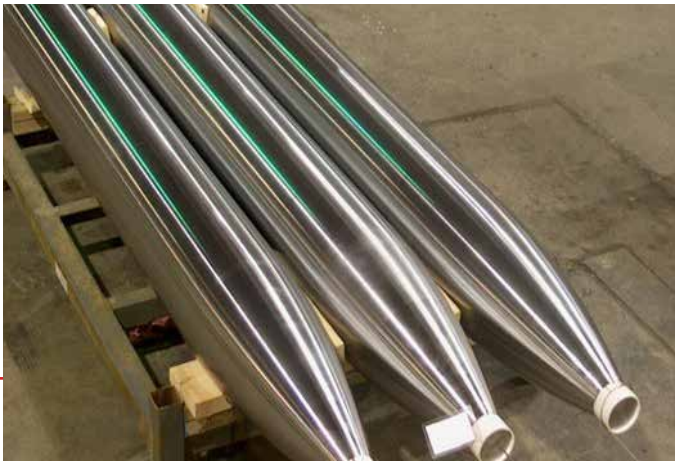
Custom Industrial Machining



Tunnel boring tube



Die cast tie bar



Penetrator bomb bodies



Manganese bronze nut

Custom Industrial Machining



Steel forging
press tie rod
40' & 20T



Top drive jaw clamps



Go spline gage on
machined part

Custom Industrial Machining



Nitrided plastics tie bar

Custom Industrial Machining



8000T forge press column,
40,000 lbs

Custom Industrial Machining



Down hole drilling tube

CNC Lathes



Large CNC Lathe Machining Capabilities

Up to 48" diameter x 42' long | 40,000 lbs per piece | Live Tooling



L&L 5-Way 1 meter x 6 meter capacity

CNC Lathes



MTR Ravensburg 2015 retrofit



MTR Ravensburg

Hollow Center-Drive Spindle CNC lathe with 3 tool stations.
Capable of machining bars 20" diameter x 40" long
(40,000 lbs. max) Control Retrofr 2015.

Machine Tie Bar with Center Headstock CNC Lathe

CNC Lathes



Gurutzpe Model B1400

Heavy Duty 5-Axis CNC Lathe
63/48 x 567" swing over carriage 40" distance
between centers 47' live tooling



Testing a nut on the bar while in the lathe

CNC Lathes



Gurutzpe Model B1400

Heavy Duty 5-Axis CNC Lathe
63/48 x 567" swing over carriage 40" distance
between centers 47' live tooling



Gurutzpe Model B1400

Electric Rotor Shaft with shrink fit bushing

CNC Lathes



Shortening machined area for rigidity
with Center Headstock CNC Lathe



Drilling Flange holes with live tooling CNC lathe

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