



# VW MANUFACTURING SERVICES

A VALVEWORKS USA, INC. COMPANY

## WHY VALVEWORKS USA?

VW Manufacturing *engineers, manufactures, & delivers* the highest quality machined parts to customers' specifications. Since 1993, we have refined our knowledge and expertise within steel manufacturing to achieve that level of quality in our product line. We are now offering our steel manufacturing capacity and infrastructure capabilities to support your company with your turnkey or partial manufacturing needs. If you have a detailed drawing or just an idea on paper, we have the infrastructure and capability to bring your product to market.

## LEADER IN QUALITY PRODUCTION

VW Manufacturing quality control practices provide highly precise processes that conform to our Quality Management System. We have extensive investments in state-of-the-art machinery, technicians, and manufacturing space with a high production capacity and capability.

## MANUFACTURING FACILITIES

- Bossier City, Louisiana, USA 400,000 sq. ft.
- Kilgore, Texas, USA 150,000 sq. ft.

## QUALITY MANAGEMENT SYSTEM (QMS)

- ISO 9001:2015 (APIQR-3068)
- Certificate of Authority to API Monogram (License Number 6A-0656)
- API (Q1-3076)

## BOAST "MADE IN THE USA" WITH AMERICAN MANUFACTURING

## DESIGN

- Engineering
- Drafting
- 3D Modeling

## MANUFACTURING

- CNC Mills and Lathes
- Boring Mills
- Spherical Radial Grinding
- Industrial Saws
- Plasma Cutters
- Gas-Tungsten Arc Welding (GTAW) Cladding/ Inlay
- Automated Robotic Welding
- Post- Weld Heat Treat (PWHT)
- Blasting
- Precision Grinding and Lapping
- HVOF Tungsten Carbide Application
- Xylan Coating®

## TESTING

- Non- Destructive Evaluation (NDE)
- Hardness Testing
- Coordinate Measurement Machine (CMM)
- XRF Analyzer for positive material identification

## MANUFACTURING CAPABILITY SUMMARY

- Max Turning O.D.: 46"
- Max Milling Size: 80" X 60"
- Max Weight: 26,400LBS.
- Max Reach: 96"
- Max Axes: 98" X 75"
- Ball Valve Min Flow Bore Diameter 1/2" ID & 3/4 OD
- Ball Valve Max Flow Bore Diameter 12" ID & 19" OD



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## BACKGROUND

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For 27 years, Valveworks USA has proudly supported its customer base through the manufacturing of steel products. During this time, we have accumulated a wealth of manufacturing knowledge, experience, capability, capacity and infrastructure.

## HOW THIS CAN BENEFIT YOU

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These features are made available to you in many ways, regardless of your relationship to the finished product. Whether you are the owner of a fully integrated product line looking to fill a short-term gap in your supply chain, or an individual with an idea sketched on a napkin looking for someone to build a prototype, chances are we can help.

## ENGINEERING

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Highly qualified engineering team capable of cradle-to-grave project management and / or simply assisting in the design, development and validation processes.

## MATERIAL SOURCING, MANAGEMENT AND CONTROL

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Valveworks USA is strategically aligned with high-quality steel suppliers. Our global material vendor base undergoes strenuous screening and continuous performance and quality surveillance to maintain approved vendor status. All materials and documentation are highly controlled. Traceability is fully maintained throughout the process cycle and thereafter per industry record storage requirements.

## MANUFACTURING AND BUSINESS PLATFORM INFRASTRUCTURE

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Our software used for quality management, business operations, engineering and design, document control and record storage is state-of-the-art. All machines, machine tools, inspection tools and testing equipment are high-quality and well maintained. Our machines are equipped with user-friendly controls and conversational programming abilities. Our diverse fleet of manufacturing assets give us the ability to machine a wide variety of component sizes (small and large) as well as a wide variety of material types (from low carbon steel to superalloys).

## VERTICALLY INTEGRATED SPECIAL PROCESSES

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Special processes such as High-Velocity-Oxy-Fuel (HVOF) Tungsten Carbide Application, Precision Surfacing Solutions (Grinding / Lapping), Gas-Tungsten Arc Welding (GTAW) Cladding / Inlay, Non-Destructive Examination (NDE), Post-Weld Heat Treat (PWHT) and Xylan® Coating to name a few, are conducted 100% in-house.

## MANUFACTURING FLEXIBILITY

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We can assist you with specific project requirements ranging from one-off, overnight delivery runs to long-term, high volume production-type runs with systematic blanket releases. Whether your products are commodity in nature or differentiated, we have the know-how required to benefit you.

## PRICING

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Globally competitive pricing models that support your product requirements without the additional capital investment.

## CONCEPT TO MARKET (C2M) - LET OUR INFRASTRUCTURE WORK FOR YOU

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Valveworks USA would appreciate the opportunity to joint venture with you to manufacture your product. From concept to market, our team can work out a plan for you today.



MACHINING CAPABILITES	
MACHINE FEATURE / TYPE	RANGE / MAX.
CNC TURNING LATHES	.250 in. to 40 in.
HORIZONTAL BORING MILLS	80 in. x 60 in. (max.)
HORIZONTAL BORING MILLS	26,000 lbs. (max.)
HORIZONTAL MACHINING CENTERS (w/ Dual, 80mm Pallets)	5,000 lbs. (max.) each
SURFACING (HVOF / GRIND / LAP)	60 in.(L) X 23 in.(W) x 33 in. (H)
RADIAL SPHERICAL GRINDERS (for grinding ball valve balls)	.500 in. to 12 in. bores
	.750 in. to 19 in. O.D.
SAWS	24 in. (max.)



TURNING

- 30 X HORIZONTAL CNC LATHES
- 6 X HORIZONTAL MANUAL LATHES
- 6 X VERTICAL CNC LATHES
- 2 X VERTICAL MANUAL LATHES

MILLING

- 5 X HORIZONTAL CNC BORING MILLS
- 8 X HORIZONTAL CNC MILLS
- 10 X VERTICAL CNC MILLS
- 10 X VERTICAL MANUAL MILLS

CLADDING / INLAY

- 6 X AUTOMATED VERTICAL GAS TUNGSTEN ARC WELDING (GTAW) CLADDING SYSTEMS

WELDING

- 1 X AUTOMATED ROBOTIC WELDING SYSTEM
- HANDLING SKIDS (TO SAFELY HANDLE / TRANSPORT TREE AND MANIFOLD ASSEMBLIES)
- FIXED MANIFOLD SKIDS
- FRAC TREE WORK PLATFORMS & LADDERS
- THERMAL SPRAY

- 3 X AUTOMATED HIGH-VELOCITY OXYGEN FUEL APPLICATION SYSTEMS
- PRECISION SURFACING EQUIPMENT
- 15 X SURFACE GRINDERS
- 5 X MANUAL RADIAL SPHERICAL GRINDERS
- 13 X LAPPING MACHINES

SAWS

- 7 X HORIZONTAL SAWS
- ANCILLARY EQUIPMENT



- ELECTRIC PRE-HEAT OVENS (4), PLASMA CUTTER (1), VERTICAL MANUAL RADIAL DRILL (1), VERTICAL MANUAL DRILL PRESS (1), AUTOMATED SHOT BLAST SYSTEM (1), VERTICAL MANUAL PIN PRESS (1), BEAD BLAST CABINETS (4), PARTS WASHERS (3)