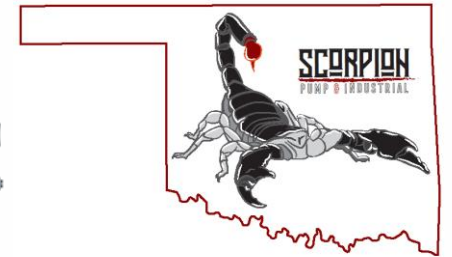


Kattula Holdings: Manufacturing Capabilities



KH

"Quality first, where it matters most"

What is Kattula Holdings?

Kattula Holdings (KH) acquires & manages precision manufacturing operations, primarily in North America. Currently under our portfolio, the operations manufacture Springs, Gears, Custom Machined Products, Consumables & Artificial Lift Tools. All of our operations are “owner managed” on a daily basis!

The logo consists of the letters 'KH' in a bold, italicized, dark blue sans-serif font.

Kattula Holdings: Locations



MI



KATTULA HOLDINGS
A BUSINESS INVESTMENT GROUP



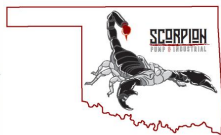
OH



WI



OK



TX



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Products: Springs



- Wire Forms
- Compression Spring
- Torsion Springs
- Drag Springs
- Extension Springs
- Garter Springs
- Clips
- Rings
- Washers



Clips & Flat Springs



Drag Springs



Compression, Extension & Torsion

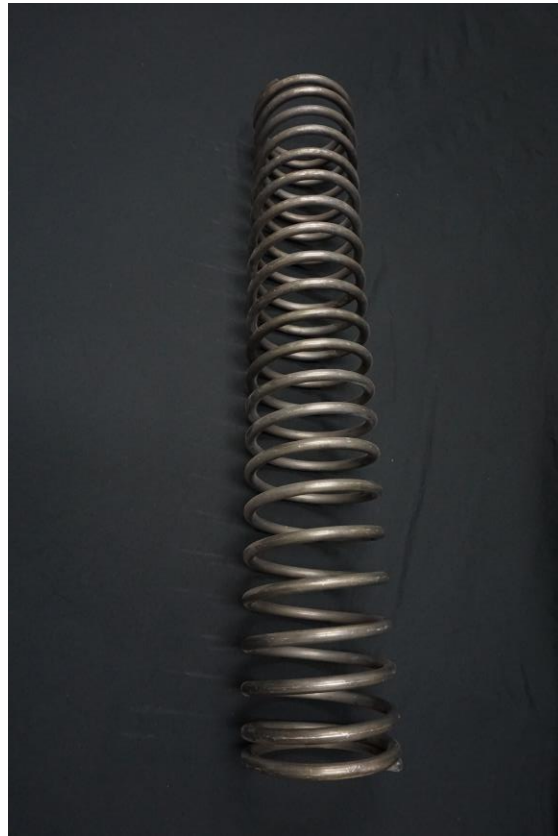


Wire Forms

KH

Products: Springs

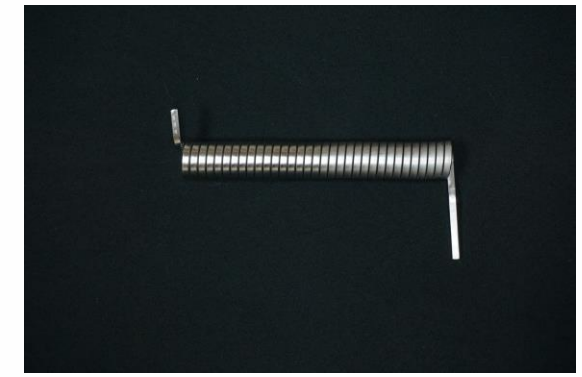
- Power Springs
- Flow Lines
- Control Lines
- Cable Retainers
- Lock Springs
- Alignment Rods
- Equalizers
- Coiled Tubings
- Centralizers



Power Spring



Equalizer



Square Wire Torsion Spring



Alignment Rod



Square Wire Extension Spring

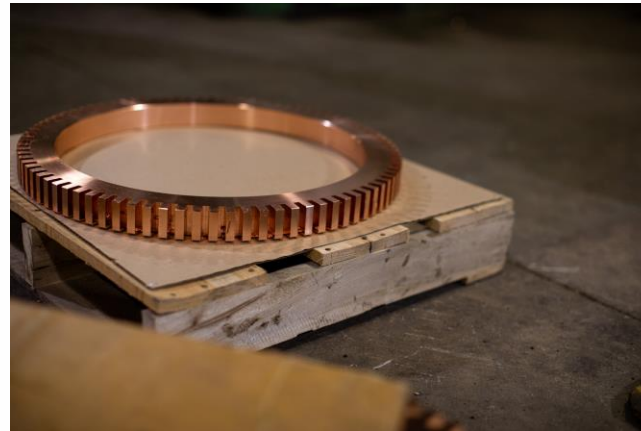
KH

Products: Gears

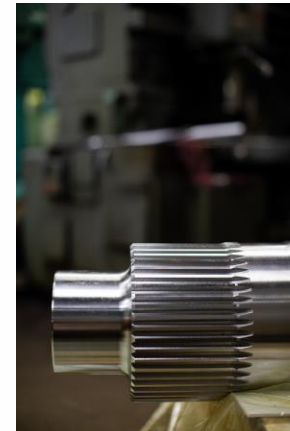


- Internal Gears
- External Gears
- Spur Gears
- Helical Gears
- Worm Gears
- Bevel Gears
- Pinion Gears
- Herringbone Gears
- Crown Gears
- Spline Shafts
 - Straight Sided & Involute

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End Ring Rotor (External Teeth)



Straight Spline Shaft



Involute Spline Shaft



Internal Gear



Spur Gear

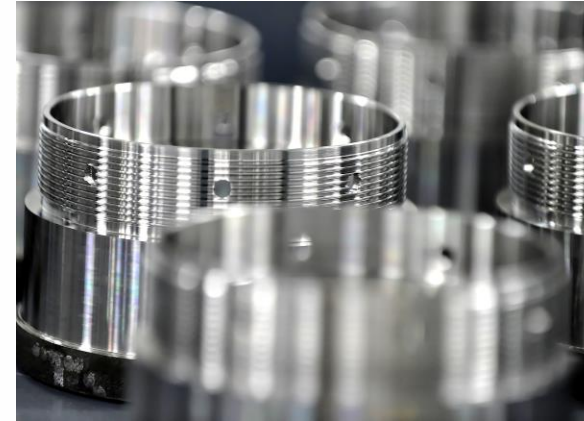
Products: Machining

- Frac Plugs
- Specialty Machined Parts & Assemblies
- Turnkey Machining
- Fittings & Fasteners
- Drill Pipe
 - CNC repair & refit including:
 - Heavy Wall
 - Tubing
 - Collars
 - Subs
- Flight & Satellite Hardware
 - Structural
 - Propulsion
 - Pneumatic
 - Hydraulic
 - Fly Control
- Reamers
 - Fixed & Hydraulic

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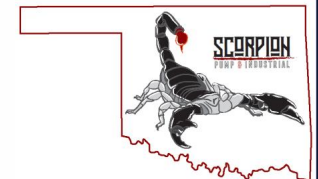
Rocket Bar



Coupling



Drill Pipe Refit



Products: Artificial Lift Tools



- B2 Style Anchor Catchers
 - 4.5" – 7.625"
- AD1 Tension Packer Component
 - 4.5" – 7"
- Custom Fishing Tools
- Tool Branding
- Subsurface Rod Pump Parts
 - Hard Lined Cages
 - 1.25" – 6.25"

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4.5" B2



5.5" B2



7" B2

Products: Industrial Suppliers

- Abrasives
- Cutting Tools
- Air Tools
- Power Tools
- Gages
- Precision Tools
- Hand Tools
- Lubricants
- Cleaners



Abrasives



Cutting Tools



Foil Tape



Spot Drill



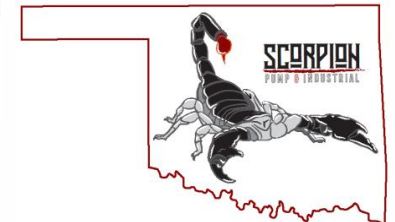
Dial Gauges



Lubricants



Precision Vises



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Equipment Capabilities: Springs



- Wire Forming
 - 0.010" - .625"
- Flat Forming
 - 0.008" – 0.198"
- Tubing Bends
 - 0.125"-0.375"
- Orbital Welding
 - 0.250" – 0.375"
- Flat Stock Width
 - 0.062 – 2.50"

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Equipment Capabilities: Machining



- CNC Turning
 - 31.8" DIA X 30' L
- CMM Inspection
 - 118.11" L x 47.24" W x 39.37" H
- Saws
 - Up to 13" Round Diameter
 - Up to 16" Square Diameter
- Lathes
 - Chuck Size 10" – 32"
 - 6.5 Diameter Spindle Tube
 - Between Centers Up To 85"
 - Max Swing Over Bed Up To 38.2"
 - Max Swing Over Cross Slide 34.5"
 - Horsepower 25hp – 50hp
 - Steady Rest
 - Concentricity Hydraulic Chucks 24" – 27"
- 5-Axis Milling & Turning
 - 165" x 36"
 - Max Table Load: 12Klbs.
 - Max RPM: 18,000
- Wire EDM
 - Up to X-23.62"
 - Up to Y – 15.75"
 - Up to Z – 10.63"
 - U/V Travel 3.15" X 3.15"
- Mills
 - 30hp
 - Taper 40/50
 - Up to X Axis 50"
 - Up to Y Axis 20"
 - Up to Z Axis 25"
- Welding
 - MIG
 - TIG
 - Hard Surface Brazing
 - Hard - Banding



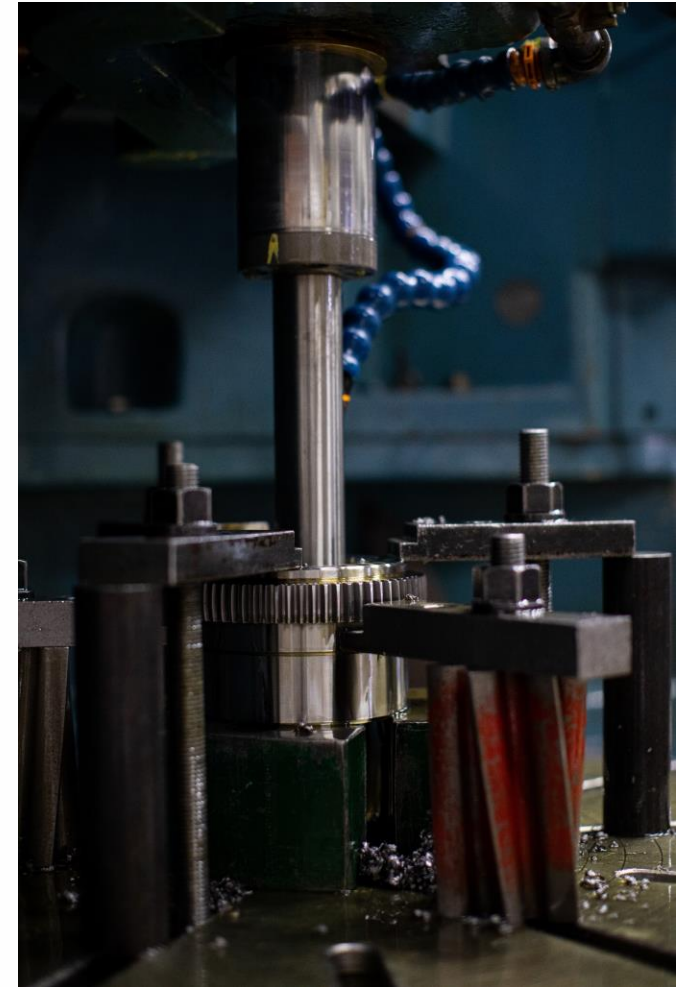
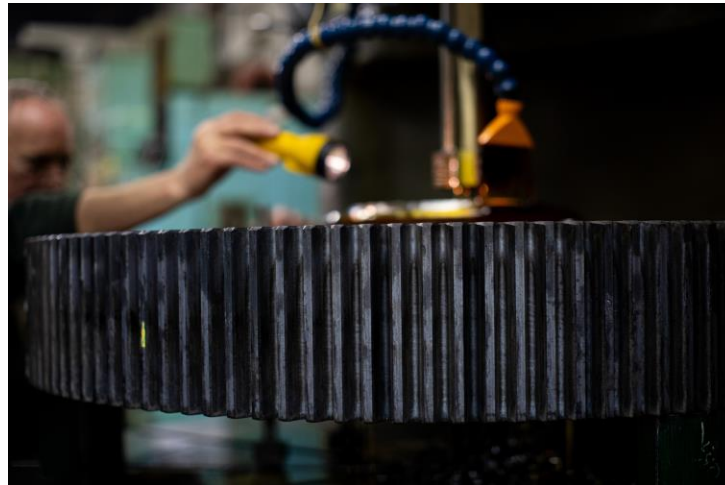
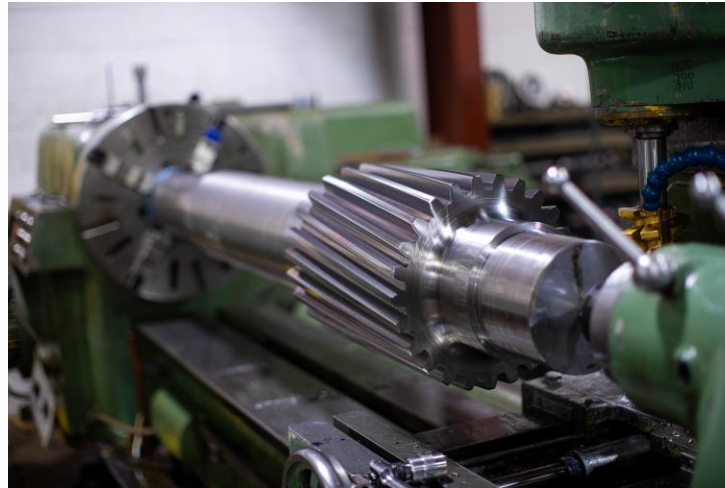
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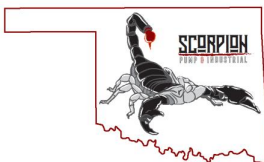
Equipment Capabilities: Gears



- External, Helical & Worm Gears
 - 88" Max OD 20" Face 1 Diametral Pitch
- Internal Gears
 - 88" Max PD 16" Face 1.5 Diametral Pitch
- Thread Milling
 - 10" Max OD 48" Face 2 Diametral Pitch
- Spline Shafts
 - 18" Max OD 168" Face 2 Diametral Pitch
- Gear Racks
 - 4" Face 48" Long 4 Diametral Pitch
- Keyways
 - 2.25" Wide x 24" Long
- Broaching
 - 50 Ton Pulldown 100" Tool Length
- Gear Inspection
 - to 100" Diameter

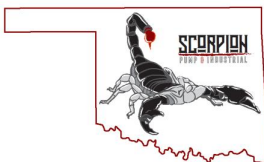
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Material Knowledge: Exotic

Material	Forms				
	Wire	Bar	Tube	Strip	Sheet
Elgiloy	X			X	X
MP35N	X	X		X	X
Titanium Beta C	X	X			X
Inconel 600 Series	X		X	X	X
Inconel 718	X	X	X	X	X
Inconel X-750	X	X	X	X	X
Inconel 925		X	X		
Monel 400	X	X			X
Monel 500	X	X			X
Hastelloy C-276	X	X	X		
Phosphor Bronze	X	X	X		X
Beryllium Copper	X	X	X		X
Tough Met		X	X		X
P550 Non-Mag		X			X



Material Knowledge: Basic

Material	Forms				
	Wire	Bar	Tube	Strip	Sheet
Music Wire	x				
Chrome Silicon	x				
Oil Tempered	x	x			
300 Series Stainless Steel	x	x	x	x	x
400 Series Stainless Steel		x	x	x	x
13-8 Stainless Steel		x	x		x
15-3 Stainless Steel		x	x		x
17-4 Stainless Steel		x	x	x	x
17-7 Stainless Steel	x			x	x
4000 Series Carbon Steel		x	x		x
8620 Carbon Steel		x	x		x
9310 Carbon Steel		x	x		x
Tool Steels		x	x		x
Grey Cast Iron		x	x		x
Ductile Iron		x	x		x
Bronze		x	x		x
Copper		x	x		x
Brass		x	x		x
Aluminum Bronze		x	x		x
Aluminum		x	x		x

Material Finishes

- Finish Coatings
- Shot Peen
- NDA
- Black Oxide
- Passivation
- Welding
- Hard Banding
- Mag Particle Inspection
- Magnesium Finish
- Heat Treating
- Flame Sprays
- Zinc Phosphate
- Nickel Plating

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Value Added Services

- Rapid Responses
- Expedited Services
- Reverse Engineering
- Custom Stocking Programs
- On Site Troubleshooting
- Turnkey Service
- Product Improvement Suggestions
- Detailed Inspection Reports
- 3D Cad Modeling
- Prototyping
- Same Day Drop Off/Shipment

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Quality Certifications



J&J Spring: ISO 9001 & AS9100 D

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Custom Spring: ISO 9001



Butler Gear: ISO 9001



RBR Machine: ISO 9001 & AS9100 D



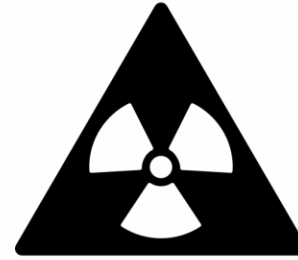
Industries Served



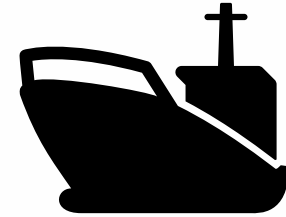
Oil & Gas



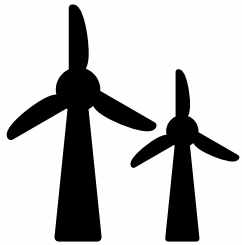
Mining



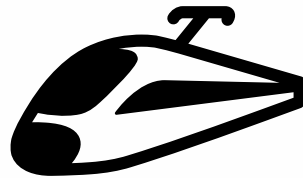
Nuclear



Marine



Solar & Wind
Energy



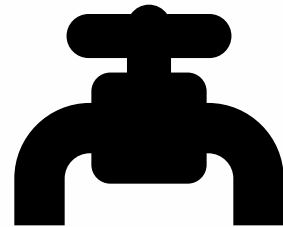
Transportation



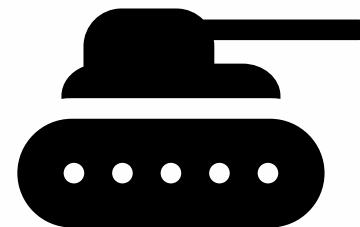
Aerospace



Automotive



Valve



Military



Agricultural

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Notable Customers

* Our additional Fortune 500 Customers cannot be shared due to NDA restrictions*



HALLIBURTON



KOMATSU



Weatherford®

KH

Schlumberger

GENERAL DYNAMICS

“Customer Commandments”
are our self imposed rules we
strictly adhere to throughout
Kattula Holdings
organizations. We
understand our main focus,
in all aspects of our business,
is the customer & how we
add value to you.

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Customer Commandments

For today, tomorrow and the future

Intentions

Produce High Quality Products
On Time Delivery
Provide Quick Communication
Provide Competitive Pricing
Provide Quality Documentation

Preventions

Poor Quality Products
Late Deliveries
Poor Communication
Price Gauging
Poor Documentation

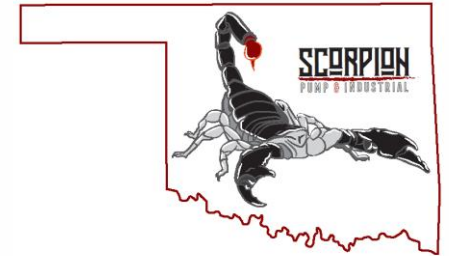
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Why choose us ?

- Organizational structures allows our teams to perform rapid responses to your needs!
- Rebate Programs to reduce your cost!
- Customer Stocking Programs to avoid upsetting lead times!
- On-site Engineering Expertise to resolve frustrating product issues quickly!

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Thank you for your time with Kattula Holdings!



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"Quality first, where it matters most"