

**ULTRAMAX**  
 **DRILL PIPE**



# ABOUT US

**ULTRAMAX**  
**DRILL PIPE**

- Ultramax Drill Pipe are based in the UK
- Suppliers of **HDD drill pipe & tooling**
- 35 years' experience in the Trenchless Industry
- Our 10,000 sq/ft facility with 5 Tonne overhead gantry crane
- Large quantity of stock on hand at all times
- Ultramax utilises the same high quality **S-135 grade steel** used in the aircraft industry
- Stringent **ISO9001 quality control** procedures to ensure the pipe produced is to **API-5DP specification**



# PRODUCTS

**ULTRAMAX**  
DRILL PIPE

Ultramax Drill Pipe is the ultimate one piece **forged drill pipe** that is compatible with HDD Drill Rig Brands, such as:

1. Ditch Witch
2. Vermeer
3. Tracto-Technik
4. Astec Underground
5. Toro



# PRODUCTS



## Ditch Witch Compatible Drill Pipe

Ditch Witch Machine	ULTRAMAX Part Number	Manufactured Method	Pipe Body OD	Pipe Tool Joint OD	Length	Weight (lbs.)	Thread Connection	Max Torque (ft/lbs)	Bend Radius (Per pipe)	Bend Radius (feet)	Pipe Box Quantity
JT2020 Forged Pipe	UMD222276	IEU Forged	2.375"	2.625"	10'	77	#600	4,000	9.30%	108'	40
JT25 Forged Pipe	UMD222276	IEU Forged	2.375"	2.625"	10'	77	#600	4,000	9.30%	108'	25/55
JT30 Forged Pipe	UMD222276	IEU Forged	2.375"	2.625"	10'	77	#600	4,000	9.30%	108'	24/55
JT40 Forged Pipe	UMD296309522	IEU Forged	2.625"	3.100"	15'	171	#700	5,000	10.40%	145'	35
JT60 Forged Pipe	UMD222452	IEU Forged	2.875"	3.250"	15'	175	#900	9,000	8.70%	169'	16/28
JT100 Forged Pipe	UMD222454	IEU Forged	3.500"	3.625"	15'	220	#800	10,000	7.50%	200'	12

# PRODUCTS



## Vermeer Compatible Drill Pipe

Vermeer Machine	ULTRAMAX Part Number	Manufactured Method	Pipe Body OD	Pipe Tool Joint OD	Length	Weight (lbs.)	Thread Connection	Max Torque (ft/lbs)	Bend Radius (Per pipe)	Bend Radius (feet)	Pipe Box Quantity
D24X40, D23x30	UMD222276	IEU Forged	2.375"	2.625"	10'	77	#600	4,000	9.30%	108'	50
D36X50, D40x55 (#650 x 10')	UMD296309599	IEU Forged	2.375"	2.750"	10'	83	#650	5,000	9.30%	108'	50/52
D36X50 (#650 x 15')	UMD296312531	IEU Forged	2.375"	2.750"	15'	117	#650	5,000	13.90%	108'	40
D36X50, D40x55 (#700 x 10')	UMD296309521	IEU Forged	2.625"	3.100"	10'	121	#700	5,000	6.90%	145'	45
D36X50, D40x55 (#700x15')	UMD296309522	IEU Forged	2.625"	3.100"	15'	171	#700	5,000	10.40%	145'	35

# QUALITY CONTROL



Ultramax Drill Pipe carry out a series of **stringent tests** at a State of the art testing laboratory to ensure raw materials and finished products conform to the required **API-5DP specification**.

- **Spectrum analysis test** - Samples from each batch are cut into small pieces and analysed under a microscope to ensure the size and formation of the cells meet the standards required.
- **Tensile Strength Instrumentation** - provides test data which includes Tensile Strength (Mpa), Yield Strength (Mpa), Hardness (HRC) and Elongation. All test results must be equal or greater than the API-5DP specification.
- **Impact Test Instruments** - samples are tested and recorded, Ultramax drill pipe consistently achieve results that are 50% greater than the API-5DP standard.



# QUALITY CONTROL



- **Metallography Structure Analysis** - using a micro scope, samples are taken from each batch of pipe after forging and heat treatment process, they are analysed to ensure all properties are within tolerance, before CNC thread cutting takes place.
- **Non Destructive Test** - every drill pipe passes through an ultra-sonic test station, this data is sent back to a digital screen that is monitored to ensure all pipe are within specification.
- **Thread Testing** - once CNC machining of the drill pipe threads is completed, each thread is inspected with thread gauges and micro meters to ensure the threads meet the tolerances required.

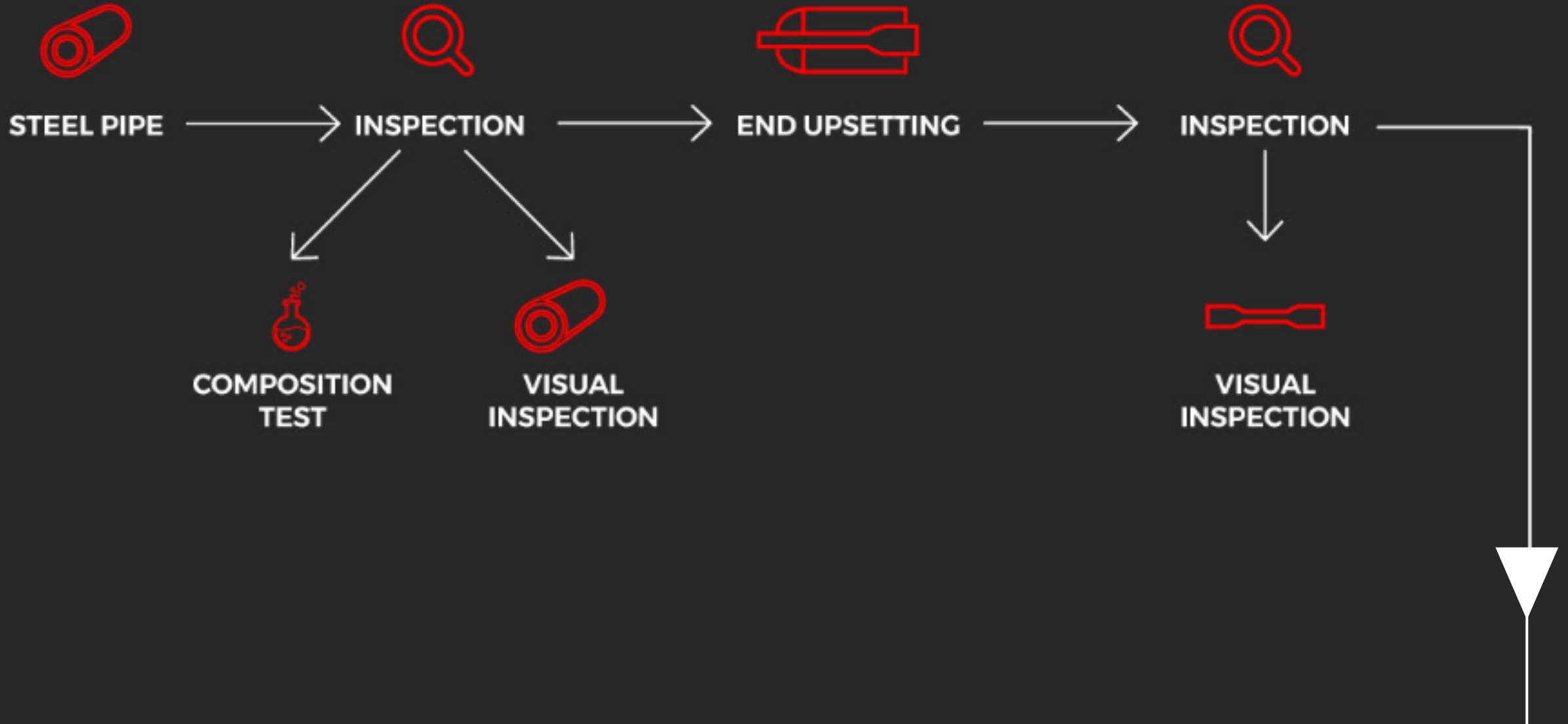


Each Ultramax Drill Pipe has a batch number for traceability as part of our quality control systems

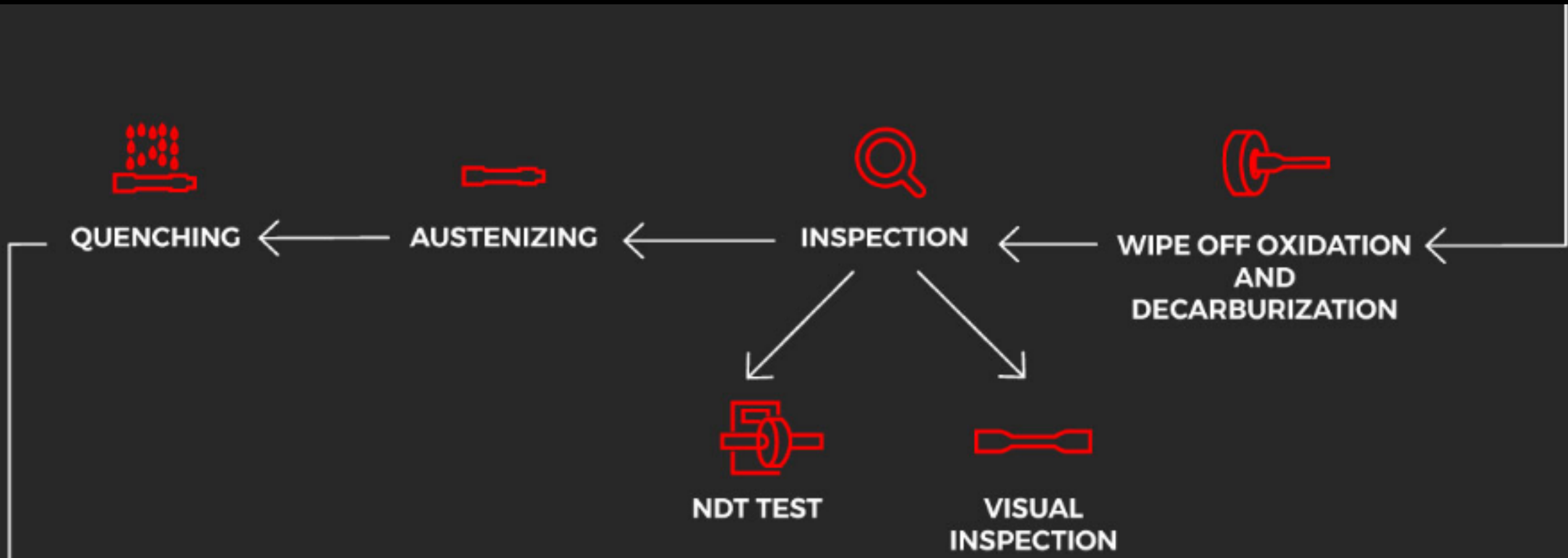




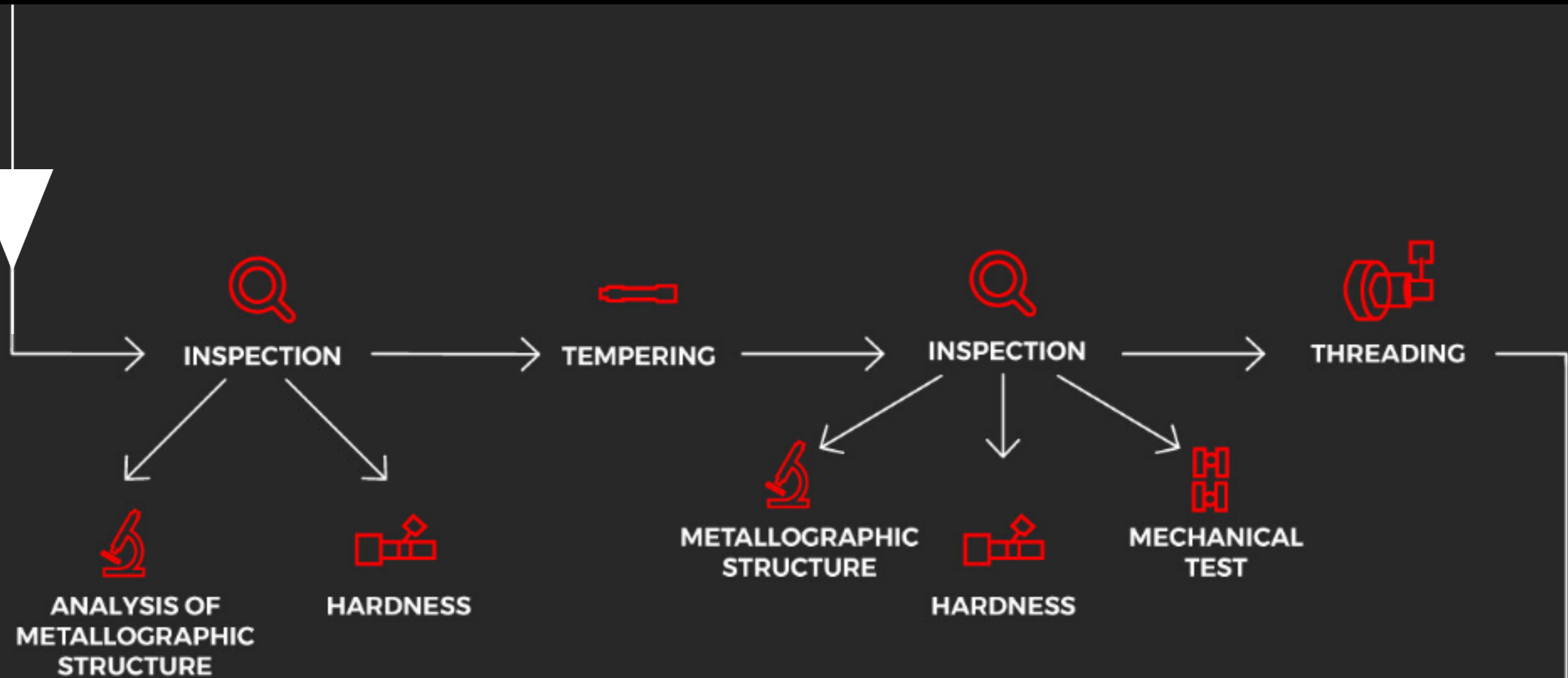
# MANUFACTURING PROCESS



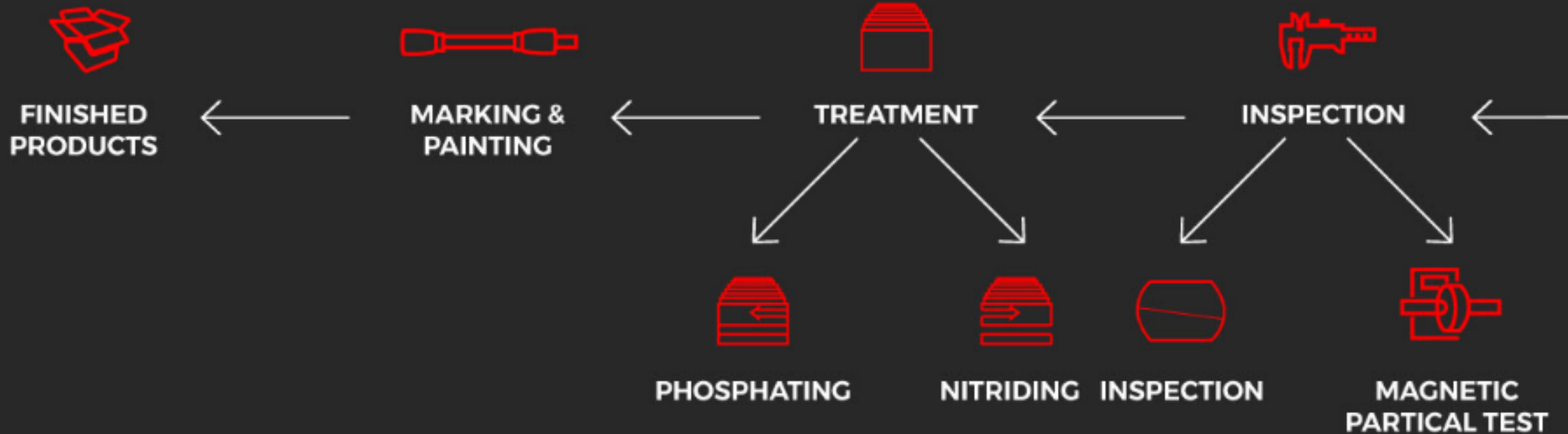
# MANUFACTURING PROCESS



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# Why Ultramax?



- **Largest** Drill Pipe manufacture in the world (manufacturer supply Tuff Rod)
- We have vast stock of drill pipe, ready for immediate delivery
- We've sold over **15,000 pipes** in the last 2 years
- We are British owned and operated and have a purpose-built facility with overhead gantries for **quick** and **fast** delivery
- We have visited the manufacturing plant and it's far more **advanced** and **professional** than any other in the world
- State of the art manufacturing plant utilising the latest manufacturing techniques
- With over 120 staff, manufacturer head hunted the technical manager who used to work at **Norris** who supply Vermeer with all their pipe

# Why Ultramax?



- Hunting and Vermeer don't manufacture the whole pipe they only cut the threads
- We manufacture the **whole pipe** from start to finish.
- We've had other pipe (Hunting / Vermeer) tested and its down on hardness (14% on tool joint & 10% on body)
- Customer is getting a **better-quality** product at **affordable prices** - **MASSIVE SAVINGS**
- Pipe is made with **High Grade steel 4124 (S-135)** that is the same specification used in aerospace.
- Forging process uses a patented design which uses 2 x Large Hydraulic Cylinders with jaw dies that is more productive and efficient
- Hunting / Vermeer use mechanical forging hammers that is old technology and less efficient.
- A Patented Heat treatment (Quenching & Tempering) process is used where water is injected inside the pipe tube producing higher quality.

***We are so confident in our product we offer 12 months warranty on pipe***

**\*\*12 Month Warranty against defects in materials and workmanship\*\***

- All Pipe is **serial numbered** and all orders come with a **Certificate of conformity**
- Each item will be **tested** and complies with relevant standards, threads, hardness, tensile strength, yield strength, elongation, impact value, length, straightness and appearance
- Pipe is ISO 9001 Standard and API-5DP.
- We have over 35 year's experience in Trenchless and only supply the best quality products.

