



The leading provider of  
On Site Machining & Hydraulic  
Bolt Tightening services

## SERVICES

- On Site Machining
- Controlled Bolting
- Flange Integrity Management
- Spark Erosion
- Specialist Manpower
- Engineering Support/CAD
- In-house Machining Facility Training

## RENTAL

- On Site Machines
- Bolt Tensioning
- Torque Wrench
- Nutsplitting
- Flange Spreading
- Ancilliary Equipment

# About us

## MOSS - The leading provider of On Site Machining & Hydraulic Bolt Tightening services.

**At Moss we pride ourselves on delivering a wide range of mechanical on site services, using state of the art equipment.**

We have a proven track record of 10 years supplying multi-skilled technicians with specialist portable equipment, achieving a high quality service with specific focus to Health, Safety and the Environment. MOSS is accredited to ISO 9001; 2008 Quality Management. ISO14001/2004 Environmental Management. We have the capability and expertise to respond quickly to tight customer deadlines and offer a 24/7 service, our infrastructure and locations enable us to respond quickly to customer needs throughout the UK.

# What we do

**Moss is a proven mechanical on site service company, providing valuable Innovative Engineering Solutions to all industry sectors providing On Site Machining, Hydraulic Bolt Tensioning and Spark Erosion Services.**

We continually work with leading organisations globally to carry out critical services both On and Off shore. Our engineering diversity enables us to design and manufacture a vast range of specialised modular and ancillary equipment. Our computer aided design and manufacturing workshop produce ancillary items for a wide range of bespoke requirements. Our Safety Culture is paramount to us, we actively encourage a positive attitude to Safety, both On and Off site.

# Markets

## OIL & GAS

- Off shore
- Petrochemical
- Refineries
- Subsea
- Construction
- Decommissioning

## NAVAL CONSTRUCTION

- Nuclear Submarine Build
- Diesel Submarine Build
- Surface Ship Build
- PWR Reactor Machining
- Sub/Surface Primary Weapons Systems

## ENERGY

- Nuclear
- Fossil
- Renewable Energy
- Bio Mass
- Combined Heat & Power

## CONSTRUCTION

- Civil Engineering
- Transport
- Fabrication
- Steel

## UTILITY

- Water
- Gas



**moss**

*'Innovative engineering solutions delivered safely'*



# Specialist On Site Services

**Moss offers a range of independent Mechanical On site Services to both On and Off shore industry. Our combination of state of the art machinery, equipment and technical expertise guarantee a high standard of work to meet clients' specific requirements.**

We have the capability and expertise to respond quickly, 24/7, to tight customer deadlines to all industry sectors. In addition, we have in-house manufacturing capabilities to create bespoke machinery to conduct complex projects. We have a pool of competent multi-skilled technicians who expertly deliver our services to our client base wherever the location. Our priority is the quality of our service, the surrounding environment and the Health and Safety of our people.

## Specialist On Site Machining Services

FLANGE FACING

DRILLING

PIPE END PREPARATION

TAPPING

PIPE CUTTING & BEVELLING

BORING

MILLING

TREPPANNING

STUD REMOVAL

JOURNAL TURNING

LINE BORING

HONING

## Hydraulic Bolt Tightening Services

FLANGE INTEGRITY MANAGEMENT

FLANGE SPREADING

HYDRAULIC BOLT TENSIONING

PIPEWORK ALIGNMENT TOOLS

HYDRAULIC TORQUE WRENCH

TRAINING

NUT SPLITTING

TECHNICAL AND ENGINEERING SUPPORT

## Engineering Support

COMPUTER AIDED DESIGN AND  
IN-HOUSE MANUFACTURING

## Spark Erosion Services

SPARK EROSION

# Product Rental

Moss is completely independent from major equipment manufacturers and therefore impartially assesses equipment available and only supplies the most innovative product to meet our client's requirements. As such we have developed a wide range of Specialist Machining and Hydraulic Bolt Tightening equipment which is available for service and rental.

## O.D MOUNT PIPE CUTTING & BEVELLING MACHINES

Capacity to 72" (1828mm)

## HYDRAULIC BOLT TENSIONING

3/4" to 4" (16mm - 101.6mm) Bolt Diameter

## O.D. MOUNT FLANGE FACING MACHINES

Capacity to 24" (609.6mm)

## I.D MOUNT FLANGE FACING MACHINES

Capacity to 138" (3500mm). Max O.D. 197" (5000mm)

## BORING BARS

Capacity to (69" x 118" Travel)  
(1.75m x 3m Travel)

## I.D MOUNT PIPE END PREPARATION MACHINES

Capacity to 24" (609.6mm)

## JOURNAL TURNING SQUIRRELS

4" to 11.25" (101.6mm - 285mm)  
0 to 16" (0mm - 406mm) Travel

## KEY MILL MACHINE

Capacity to 3" wide slots x 11" Travel  
(75mm x 279mm Travel)

## 2D MILL

Capacity to 60" (1525mm) Travel

## 3D MILL

Capacity to 79.5" (750mm) Cross Travel x 60" x (1525mm)

## HYDRAULIC POWER UNITS

Variable Pump 20-40lpm 8GPM

## DRILL MACHINES

No2 to No5 Morse Taper up to Ø 6" (150mm) x 24" (600mm)  
Stroke

## HYDRAULIC DRILL MACHINE

No5 Morse Taper / International 50 Taper Drill capacity Ø 6"  
(150mm) x 24" (600mm) Travel

## MAG BASED DRILL MACHINES

No 2 & No 3 Morse Taper c/w variable speed & Torque Control

## NORBAR TAPPING UNIT

Tapping capacity up to M75. Re Tapping up to M125 (5")

## VAN NORMAN BORING MACHINE

Capacity up to Ø 12" (300mm) x 37" (950mm) Travel

## FLANGE SPREADING

"0" (Zero) flange gap upwards

## TORQUE WRENCH

1/2" to 4" (12.7mm - 101.6mm) Bolt Diameter

## NUT SPLITTER

3/4" to 3.1/2" Bolt Diameter

## DIAMOND WIRE

Ø 4" to 84" (101.6mm - 2133.6 mm) Diamond Wire Saws

## GUILLOTINE PIPE SAWS

Ø 2" to 32" (50mm - 812.8mm) Guillotine Pipe Saws

## VALVE TURNING MACHINES

6" to 60" (152.4mm - 1524mm) Valves



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