



OIL AND GAS SERVICES

MACHINED LIKE IT WAS HAND CRAFTED!



Oil and Gas Industry often requires parts to be machined with critical tolerances, complex geometries and exotic materials. Our extensive experience in supplying mission-critical machined parts for the Oil and Gas Industry has earned Pars a proven reputation of excellence in Oil & Gas specific CNC machining services. In addition our team also regularly attends industry events, seminars and training in order to keep up to date with the newest developments in Machining for Oil & Gas.

Our specialization in "Design for Manufacturability" gives our customers high quality products at cost efficient rates, as well as at significantly reduced lead times!



NEW STYLE OF CNC MACHINING



Pars Machining provides CNC precision machining that combines the industry's best workforce and latest technology with strict quality control procedures, ensuring the right parts are delivered within the committed time.

We acknowledge that quality machined parts are essential to keep equipment running right. This is why we also recognize and accept a critical responsibility to provide our clients with flawless parts, so that they may continue their work without interruption.

With a work culture focused on precision and service quality, Pars Machining aims to be the preferred go-to source for quality machining services and associated products.



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CAPACITY

Our vertical machining center with simultaneous A-axis has 1300x670x625mm of travel distance and 1300kg weight-on-table capacity. Our horizontal-turning center with optional C-axis has 900mm max. turning diameter, 2004mm turning length and 165mm spindle through-hole diameter.



MANUFACTURING

Strategically located at the heart of an active drilling area in Germencik, Turkey, Pars Machining is dedicated to serving manufacturers and end-users who require a punctual, reliable machining shop capable of producing quality CNC-machined parts and supporting design services.



DESIGN

Complex projects often require strong expertise in the design and engineering of required parts. For that, Pars Machining enjoys an unparalleled hands-on knowledge base that comes from field practice, supported by a competent 3D design team trained in API-compliant design, provided by our sister company Petrotek Global.

REVERSE ENGINEERING

Pars Machining also utilizes various reverse engineering techniques in order to create and develop 3D digital models from physical objects. In most cases, the object is scanned by a 3D optic scanner, point cloud data is obtained and a 3D model is created. The 3D models are then utilized as basis, for reproduction, modifications and upgrades, or comparison purposes (i.e. among competing products).





X axis	Y axis	Z axis	A axis
1300mm 36m/min 1417.3 ipm	670mm 36m/min 1417.3 ipm	625mm 30m/min 1181.1 ipm	3600 simultaneous

DOOSAN DNM 6700

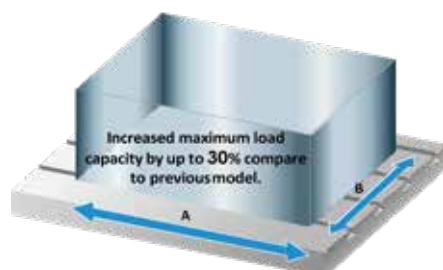
Designed as a highly stable, rigid structure, the new DNM series offers a wide line-up from 400 to 670 mm in the Y axis, enabling the user to handle a wider range of workpieces.

Travel distance (X x Y x Z axis)

1300x670x625mm
(51.2 x 26.4 x 24.6 inch)

Max. weight on Table
1300 kg
2866.0 lb

Table size AxB
1500x670 mm
59.1x26.4 inch



Max. spindle speed
8000r/min

Max. spindle motor power
18.5 kW (24.8 HP)

Max. spindle motor torque
118 Nm (86.9 lbf-ft)



Mirror diameter	Max. turning diameter	Max. lathe size / diameter	Max. spindle shaft diameter
21 inch	900 mm	650 mm 690 mm	165.5 mm

PUMA 5100 LMB

The largest work envelop in its class with maximum turning diameter of Ø650 mm and maximum turning length of 2m.

Max. turning diameter
Ø550 mm
(Ø21.7 inch)

Max. turning length
2020 mm
(79.5 inch)



Max. spindle through hole diameter
Ø275 mm (10.8 inch)

Max. spindle speed
1500r/min

Max. spindle motor power
(30 min / cont.)
45 / 37 kW (60.3 / 49.6 HP)

Max. spindle motor torque
2957 Nm (2182.3 lbf-ft)



X axis	Y axis	Z axis
1100mm	510mm	510mm

MAZAK VTC 20B

Table dimension
1460x510mm
(57.4 x 20 inch)

Max. wight on to table
800 kg
(1763.6 lbs)

Rapid traverse (X/Y)
20 m/min.

Rapid traverse (Z)
15 m/min.

Equipment
NC Mazatrol M+
Coolant Through spindle 4 bars
ISO Programming
Rigid tapping
Lubricating tank with pump
Automatic centralized lubrication

Max. spindle speed
1000r/min
Max. spindle motor power
11 kW
Max. installed power
25 kW



X axis	Z axis	Rapids on X	Rapids on Z
203 mm 8 inch	1219mm 48 inch	11.4 m/min Max. thrust X 3894 lb	11.4 m/min Max. thrust X 1947 lb

HAAS TL2

CNC Toolroom Lathe; 16" x 48" (406 x 1219 mm) max capacity, chip enclosure, 20" (508 mm) swing, 10 hp (7.5 kW) vector drive, 1800 rpm, A2-5 spindle, coolant pump, air blow gun. No workholding, toolpost.

Overfront apron
508 mm
20 inch
Over cross slide
279 mm
11 inch

Max cutting diameter
406mm (16 inch)
Max cutting length
1219mm (48 inch)

Max. spindle speed
1800r/min
Max. spindle motor power
7.5 kW (10 HP)
Max. spindle motor torque
146 Nm (108 lbf-ft)

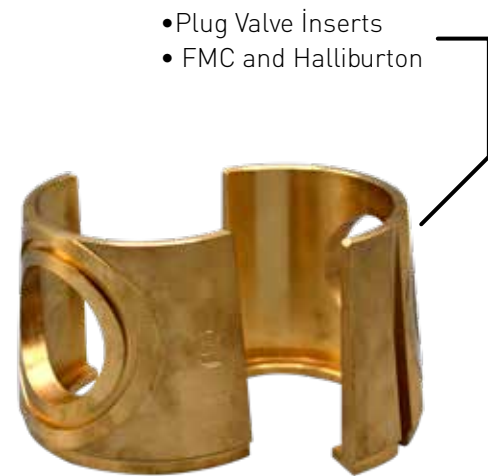
- Mud pump spears
- Pistons and rubbers
- Seat - Valve sets
- Liners and Plungers



• Mud pump spears



• Mud pump spears



• Plug Valve Inserts
• FMC and Halliburton



• Down Hole Equipment
• Coil and Well Servicing
• 1 1/4" O.D. - 4 1/2" O.D.

- Fishing equipment
- Replacement Parts
- Inserts, grapples, bed baskets.



- API Flanges
- Studded or Flanged Crossovers





 **PARS**
MACHINING



CNC
Services

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