



SERVICE PROVIDER



ABOUT US

Shalom On Site Machining was established in June 2006 by the owner, Johan Supra, under the inspiration, leadership and guidance of our Heavenly Father. Our company is administrated on an ethical basis and we aim to keep our reputation of integrity, honesty & excellence. In our experience, not all problems are unsolvable - we look for other ways to solve problems that fall within our scope of work, providing the client with our professional opinion and a plan to get the job done.



With more than 30 years' experience in this field, we bring machine shop capability directly to your job site - eliminating the costly process of dismantling equipment and transporting it off site for general maintenance and repairs. We use highly specialized, portable equipment to provide our on-site machining services, resulting in substantial savings in both time and costs. Our technicians are highly experienced and committed to providing all our clients with great service.

We give our total commitment to quality, safety and customer service; providing you with a valuable on-site, insitu machining service without any hidden costs. We are committed to see every project through to the end, without leaving you in the middle of a tough situation. We strongly believe in gaining your trust and to keep it by always providing you, the client, with excellent service and finished projects of great quality.





SERVICES

FLANGE FACING

AX012 OD Mount Flange Facer

The Silk AX012 Flange Facing and Grooving machine is designed to machine full faced, raised face and grooved flanges up to 300mm (11.75") in diameter, at any location having a suitable pneumatic air supply (not less than 7bar, 140cfm). The AX012 can achieve a variety of surface finishes from 1.6Ra to 6.3Ra when turning and 0.8Ra when polishing. This machine can also produce a 'gramophone' finish, cut 'O' ring grooves, vertical grooves, 'V' grooves and alternatively lens ring facings.

AX630 ID MOUNT FLANGE FACER

The Silk AX630 Flange Facing machine is designed to machine flange faces from 153mm (6") to 762mm (30") in diameter, with extensions (grip depth) of 153mm (6") to 610mm (24") at any location having a suitable pneumatic air supply (not less than 7bar, 140cfm). The AX630 can achieve a variety of surface finishes from 1.6Ra to 6.3Ra when turning and 0.8Ra when polishing. This machine can also produce a 'gramophone' finish, cut 'O' ring grooves, vertical grooves, 'V' grooves and alternatively lens ring facings.

SX2872 ID MOUNT FLANGE FACER

The Silk SX2872 Flange Facing machine is designed to machine flange faces from 609mm (24") to 1,829mm (72") in diameter with extensions (grip depth) of 711mm (28") to 1,727mm (68") at any location having a suitable pneumatic air supply (not less than 7bar, 140cfm). The SX2872 can achieve a variety of surface finishes from 1.6Ra to 6.3Ra when turning and 0.8 Ra to 1.6Ra when polishing. This machine can also produce a 'gramophone' finish, cut 'O' ring grooves, vertical grooves and 'V' grooves. 'V' grooves are cut using the groove kit provided with the equipment. A balancing kit is also provided to balance the machine when used in the horizontal plane.

MILLING

FM044 MILLING MACHINE

The Silk FM044 Milling Machine is designed to machine heat exchanger caps, tube sheets, key ways, grooves and divider plates with a variety of other applications. The milling rail, complete with attached support pillars, is installed in position on the face to be machined. Adjustments are made by using the three adjusting screws located in the base of each pillar. In some cases it would be necessary to make a mounting fixture, to secure the rail to the work piece.

The overall length of the Milling Rail is 1,320mm (52") with a maximum height of 660mm (26"). The machine can be utilized at any location having a suitable pneumatic air supply (not less than 7bar, 140cfm). The machine can be used in a vertical or horizontal milling position.

TYRE GRINDING

Shalom grinding services provides a quick and efficient method for the in-situ renewal of the surface finishes of large diameter tyres on rotating plants such as rotary kilns, driers and Yankee driers in the Paper Industry.

Using our air powered Tyre Grinding Machine; tyres of any diameter can be ground. The portable equipment has been designed to give accuracy and a high stock removal rate. It is faster and more economical than the alternative, grinding with a carborundum wheel or shutting the plant down to replace the tyre with a new one. Tyre grinding, in most cases, can be done while the plant is still in commission.

This machine is easily transported to site where it is mounted on a simple frame, constructed to suit each individual application. The machine can be utilized at any location having a suitable pneumatic air supply (not less than 9bar, 180cfm).

DRILLING

Shalom owns a variety of drilling machines which is driven by either 220V power supply OR pneumatic air supply, depending on the machine that will be used.

The drilling machines that can be used are either hand held, magnetically mounted or secured to the work piece with a mounting plate and fasteners. Holes that are too big for the machine to handle will be drilled as big as possible and from there we can fly cut it to the required size.

LINE BORING

The Line Bore Machine has a diameter range from 50mm (2") to 500mm (20"), boring strokes of up to 360mm (14"). A compact, powerful, highly versatile portable boring bar for blind boring and align boring in a wide variety of applications. Feed and rotational directions are reversible. Various sizes of boring bars and tool heads can be combined for a wide variety of applications. Self-centering setup, cones for quick alignment of the bar.

A minimum clearance of about 100mm is required to mount the rotational drive unit and axial feed unit. If there is room to slide the bar into the bores and a place to tack weld the mounting bracket with bearing assembly, you can most likely use the machine in your application.

KEY CUTTING

The Climax KM65 Key Mill is a portable milling machine for on-site key ways and other small milling applications. The machine is designed for clamping on a shaft with its unique self-aligning, self-centring V-base.

The machine can cut new keyways on a shaft without dismantling. The key mill clamps onto shafts with a minimum diameter of 50mm up to a maximum of 250mm. This machine can also be used to cut motor mount slots, flats and do many other small milling applications.

JOURNAL TURNING

The Journal Squirrel Machine is specifically designed for re-turning large diameter shafts and roll journals. The machine is bolted directly to the end of the shaft that requires machining and then rotates around the shaft.

A Bearing Journal can be re-furbished by either machining the journal OD smaller and shrink-fit a sleeve onto it, followed by a final machining to the original size. Another option is to do a weld build up on the shaft and then machine it to the original size; all this is done without dismantling the machinery to get the defective part out and transported to a machine shop.

The machine bolts onto a minimum shaft diameter of 100mm (4") up to a maximum diameter of 280mm (11") and has a standard turning reach of 405mm (16"). The machine can be utilized in any position having a suitable pneumatic air supply (not less than 7bar, 140cfm).

TAPPING

The headaches of tapping large diameter holes, pipe extensions onto tapping handles, broken taps and skew holes are now something of the past. Shalom has a Norbar Pneumatic Tapping Machine that is very versatile and compact. With this tapping machine, holes of up to 110mm in diameter can easily be tapped, providing that there is a suitable air supply (not less than 7bar, 140cfm).

HOT TAPPING

Hot Tapping is the process by which access is made to the inside of an operational pipeline, by either using a drill or a circular cutter. Hot Tapping is done on pressures of up to 100 Bar, depending on the size of the hot tapping, the line temperature and the flow rate of the medium.

Applications include the attachment of a branch connection to the line, installation of an internal probe or monitor and to redirect flow in a line for maintenance or repair purposes. The hot tap equipment is designed by engineers and is pressure tested and certified on a regular basis.

The equipment can either be operated by pneumatic air supply or hydraulics. When it comes to highly specialized circumstances, Shalom works in a close relationship with an International company which are leaders in the Hot Tapping field. Great care and high quality equipment will be used at all times.

VALVE REPAIR

We can re-condition almost any type and make of valve. Valve repair can be done in a workshop, but is mostly done on-site. The clients benefit from this, because there is no additional time and money lost due to the transport to and from an engineering workshop.

TUBE TESTING

Pneumatic tube testing can be done by Shalom at any place and in any position. The tube testing equipment we use can fit into very snug positions. The advantage of using air is that you will detect even the smallest leak. Either the entire tube bundle can be tested or only an isolated area.

The testing of tubes can be done on pressures of up to 6bar. Up to 4 tubes per minute can be tested this way, depending on the diameter and the length of the tubes. All that is required is that the tubes must be clean on the inside and fairly dry.

CONTACT Us

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ON SITE MACHINIG AND GENERAL MAINTENANCE SERVICES
NATIONWIDE AND IN SURROUNDING COUNTRIES



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