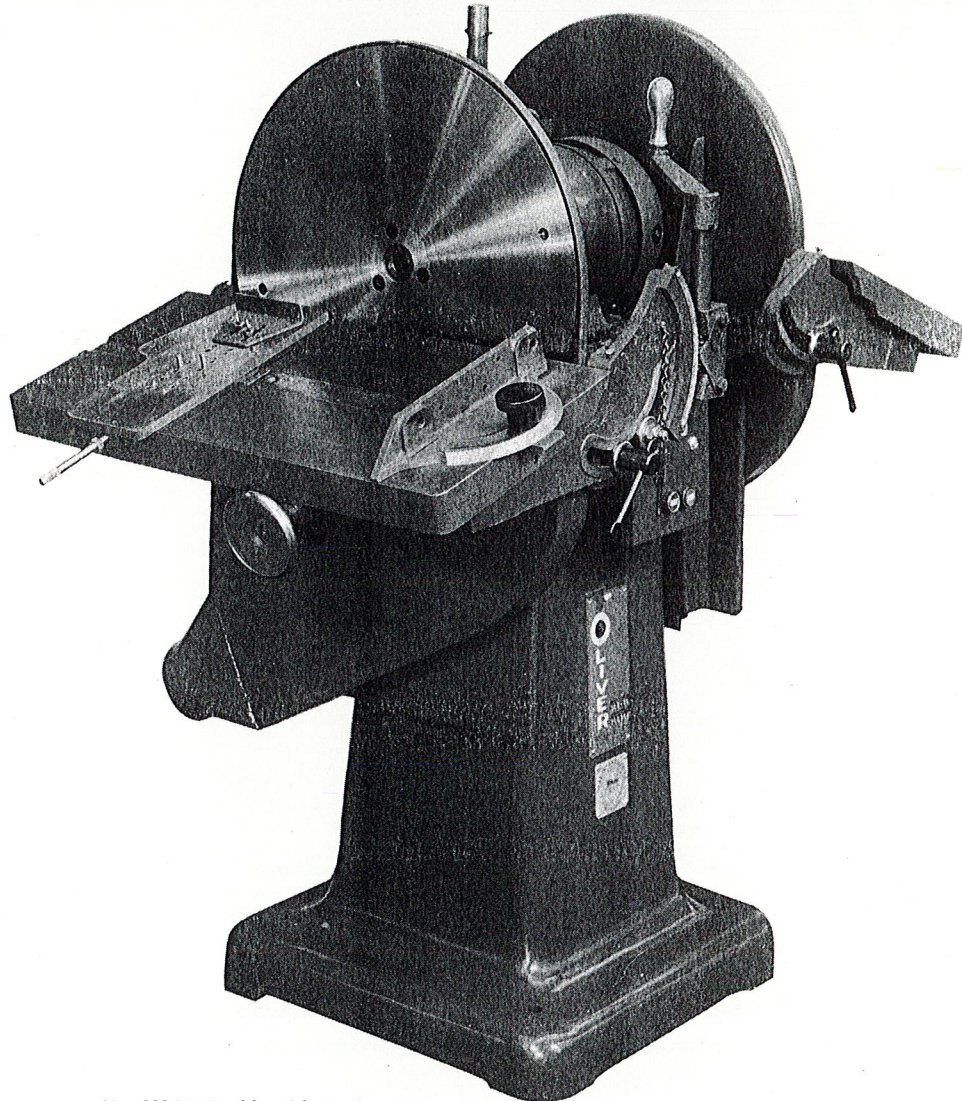




**No. 382-20-inch DISK SANDERS
AND NON-FERROUS GRINDERS**



No. 382-DD Double Disk Sander.

OLIVER

OLIVER MACHINERY COMPANY, GRAND RAPIDS, MICH. 49504

The Oliver No. 382 Disk Sanders have been developed to meet the need of disk sanding and grinding in various industries, particularly pattern shops, maintenance departments, manufacturers of aircraft parts, and other industries requiring a heavy duty disk sander. The machine is available with either one or two disks.

BASE

The base is a one piece cast iron casting, accurately machined, measuring 20" x 20" at the floor line and is 31½" high. Gibbed ways are provided for mounting the table units.

MOTOR

A two H.P., 1800 R.P.M. 3 phase, 60 cycle, 230/460 volt, totally enclosed fan cooled ball bearing motor is bolted to the base of the machine. This is a special motor with double end shaft, and each end is provided with a suitable steel flange against which the disks are mounted. Distance from the floor to the center line of the motor is 36".

CONTROL

A push button magnetic control with overload and low voltage protection is mounted on the machine and wired to the motor, ready for use.

DISKS

The double disk sander is furnished with two disks made from ½" thick steel, 20" diameter, with 1¾" hole for centering, and fastened to the steel flange mounted on the motor arbor by three flat head screws. Each disk is accurately machined and balanced. Distance between face of disks is 18¾".

TABLES

On the double disk sander two types of tables are furnished. One table is slotted to receive a No. 2 Mitre gauge and the circle, segment and duplicating gauge. This table will move up or down 4" on gibbed ways, giving a total movement of 8", assuring perfect alignment with the disk. The second table is a plain table, accurately ground flat, and does not have vertical adjustment. Both tables will tilt down 45 degrees and 25 degrees up by means of worm and worm gear self locking device with removable hand crank for quickly

tilting the table to any desired position. The degree of tilt is indicated by a scale and pointer. Both tables are 25" long, 12" wide, and are equipped with a handwheel for moving the tables to and from the disk a distance of 2¾". Both tables have a single lever clamp with heavy lock washers at each end of the rod to rigidly clamp the table to any position desired.

CIRCLE, SEGMENT AND DUPLICATING GAUGE

This is standard equipment, and with this combination gauge, circular, segment and duplicating work can be done. It consists of a metal plate with hinged strip pivoted to bottom, which rides in the 1½" wide slot in the table. The plate has a series of holes, both reamed and tapped, to take center pins for circular work, and fence part of angle gauge for duplicating work. Also has stop gauge and pin for segment sanding or grinding, operated by means of handle cast to plate and adjusting screw as stop or set for amount of cut to be taken.

GAUGE

A No. 2 Cut Off Gauge is also furnished, which travels in the table slot. This gauge is graduated 45 degrees to either right or left.

GUARDS

Each disk is furnished with a heavy sheet metal guard for protecting the rear and rim of the disk.

EXHAUST SYSTEM

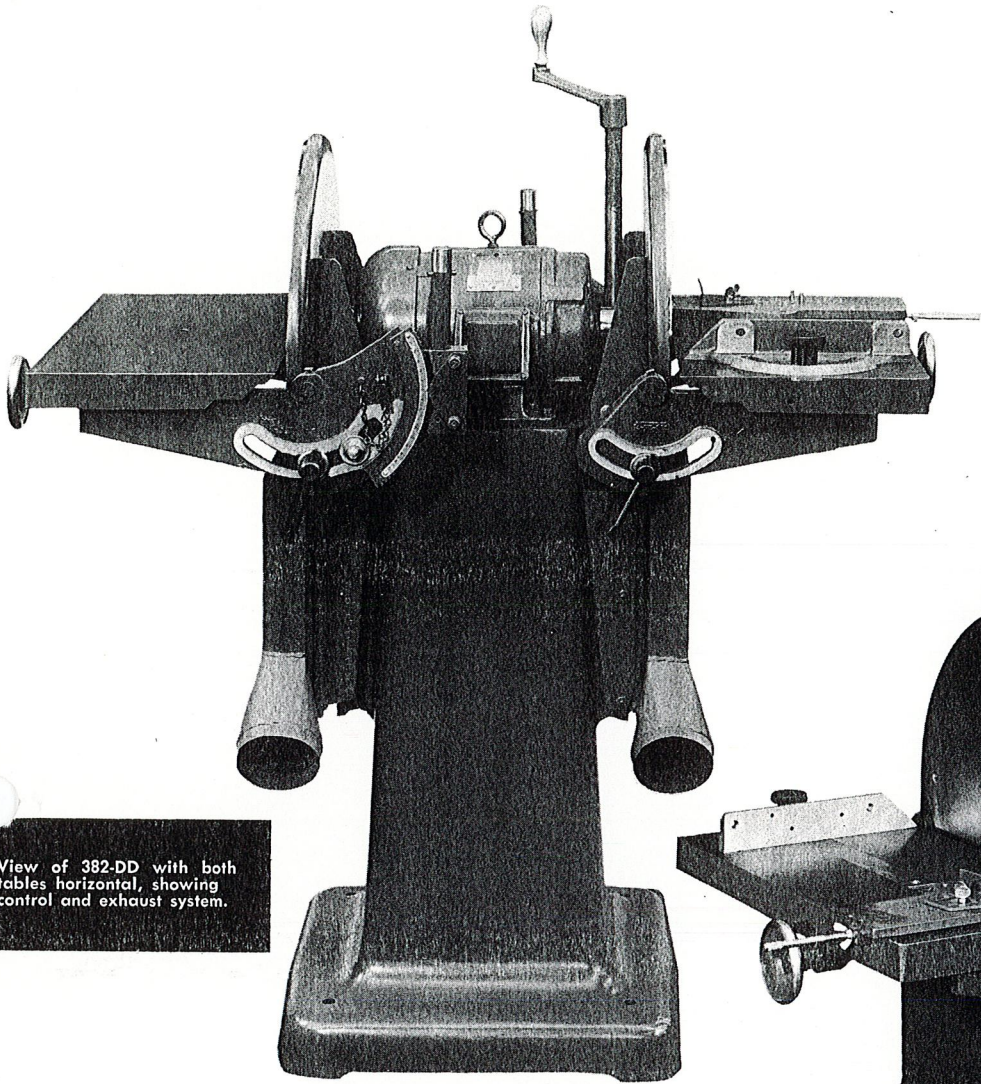
Each disk is furnished with special 4" diameter exhaust opening arranged for leading the dust to one side of the machine, so that both openings can be connected to the same exhaust pipe, if desired.

SINGLE DISK SANDER

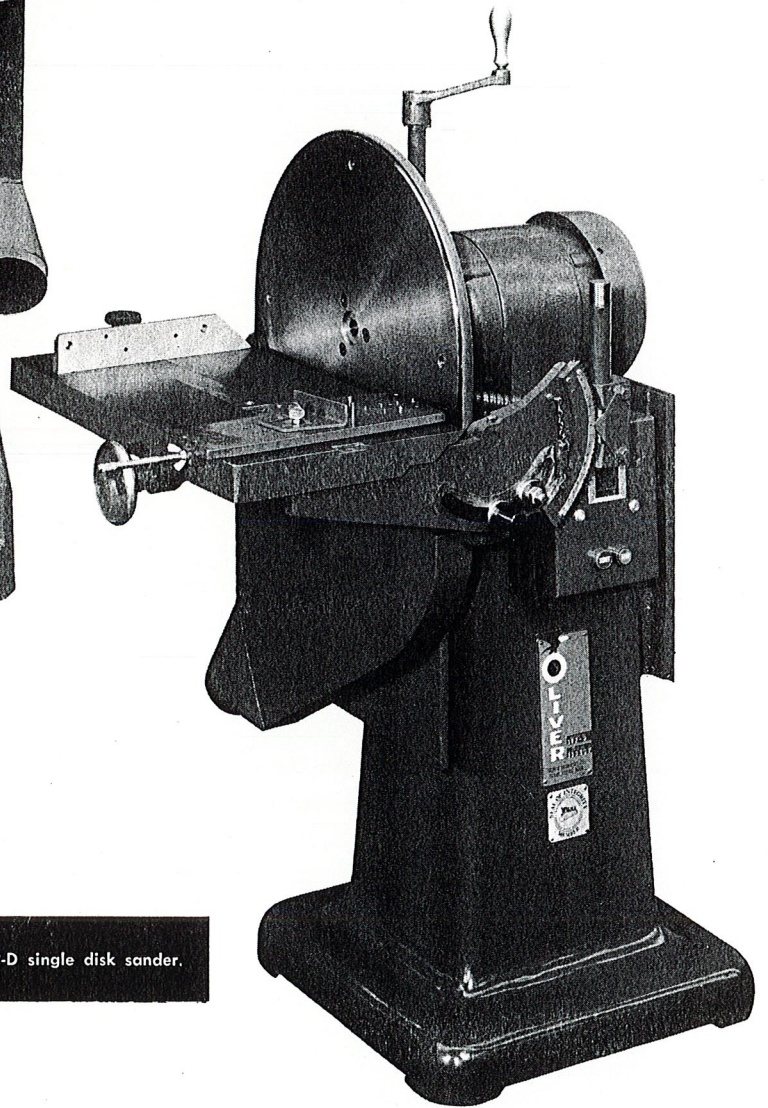
While most customers prefer to have a double disk sander, this machine can also be furnished as a single disk machine. If so supplied, the motor is equipped with a single shaft extension, and the plain table and all of the parts for it are omitted.

METAL GRINDER

By using metal grinding abrasive disks on the heavy steel disks, this machine is ideal for grinding non-ferrous alloys. It is being used for that purpose in many aircraft plants, and allied industries, for a wide variety of work.



View of 382-DD with both tables horizontal, showing control and exhaust system.

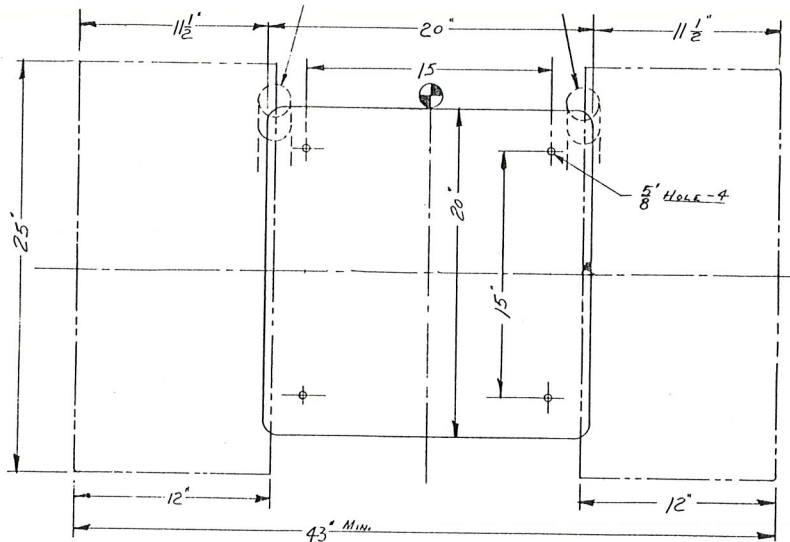


View of 382-D single disk sander.

FLOOR PLAN

4" O.D. DUST CHUTE OPENING
CENTERED FROM 13½" TO
17½" ABOVE FLOOR

4" O.D. DUST CHUTE OPENING
CENTERED 17½" ABOVE FLOOR



SPECIFICATIONS

382-DD DOUBLE DISK SANDER

NO. 382-D SINGLE DISK SANDER

BASE:

20" x 20" at floor, 31½" high.

TABLES:

Two tables 25" long, 12" wide, one plain, one slotted.
Both tables tilt 45 degrees down, 25 degrees up.

MOTOR:

2 H.P. 1800 R.P.M., with double shaft extension,
totally enclosed fan cooled.

CONTROL:

Push button magnetic, with overload and low voltage
protection.

DISKS:

Two disks, 20" diameter, ½" thick.

EQUIPMENT:

No. 2 graduated gauge.
Circle, Segment and Duplicating gauge.
Weight, Crated 1100 pounds.

OPTIONAL EXTRA:

Slot in plain table, parallel to disk, for No. 2 gauge.
Abrasive disks, as required.

BASE:

20" x 20" at floor, 31½" high.

TABLE:

One table, 25" long, 12" wide, slotted. Tilts 45 de-
grees down, 25 degrees up.

MOTOR:

2 H.P. 1800 R.P.M. with single shaft extension, totally
enclosed, fan cooled.

CONTROL:

Push button magnetic, with overload and low voltage
protection.

DISK:

One disk, 20" dia., ½" thick.

EQUIPMENT:

No. 2 graduated gauge.
Circle, Segment and Duplicating gauge.
Weight, Crated 900 pounds.

616-451-8333

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