

UNISON CORPORATION

Home Of The Original

DedTru

Built With Over 50 Years Of Experience

**Precision Centerless Grinding Units
For Use On Surface Grinders**

Toolroom or High Production



Turn Your Surface Grinder Into A Centerless Grinder

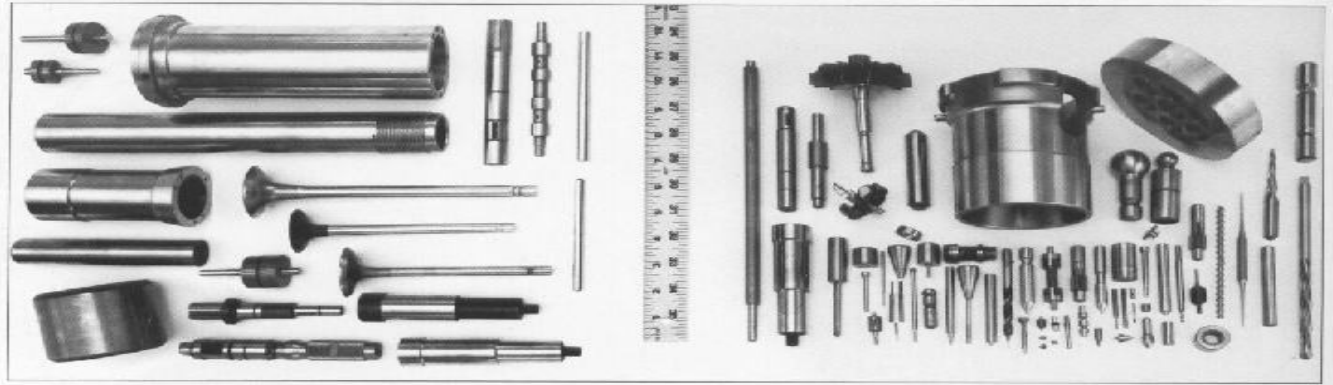
DedTru® Centerless Grinding Units are designed for use with your surface grinder. This combination allows you to do throughfeed, infeed and second operation plunge work for tool room lot sizes at a level of precision second to none and at a price anyone can afford.

DedTru® Precision Centerless Grinding Units are designed to be used in high volume production grinding or job shop applications and produce one-of-a-kind prototype parts in either small or large quantities. Operators do not need specialized skills to operate this equipment.

Built For Dead True Grinding

DedTru®

The Better Way To Produce Round Parts



Turn Your Surface Grinder Into A Centerless Grinder.....

With A DedTru Centerless Grinding Unit and Your Surface Grinder.....

Four DedTru® Models are available as shown. These models utilize a method known as climb grinding where coolant is carried between the grinding wheel and the part. Using this grinding technique the amount of heat transferred to the material is minimized resulting in an extremely accurate part with a superior finish. Unison can also supply off-the-shelf tooling for diameters ranging from .005" to 5.00".

The DedTru® Grinding Unit consists of a rugged cast base that supports the precision regulating roll, the work blade, guide, rest plate for throughfeed work and pressure roll for plunge work. A patented spindle design supports the regulating roll which is driven by a variable speed DC drive. The patent covers the method of applying preloaded bearing support for the spindle which assures that the regulating roll does not move, either axially or radially with respect to the base during all grinding operations.

Of equal importance is the fact that the method of preloading does not introduce deformation in the spindle. The resulting spindle design locates the regulating roll while rotating it with precise accuracy. It forms the foundation for the DedTru® System's precision in roundness, straightness and concentricity. The lack of some method of eliminating the spindle deformation (generally bow) is the reason conventional centerless grinding systems have problems with the roundness specifications. The DedTru System's have ground parts to a roundness accuracy of five-millionths of an inch.

Complete automated centerless grinding systems are available for higher volume production.

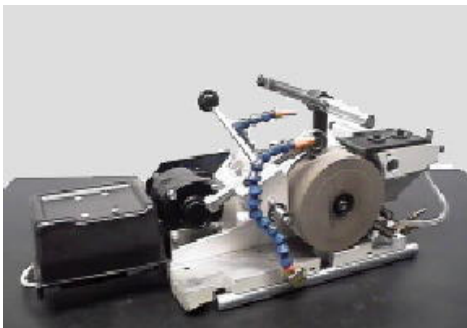
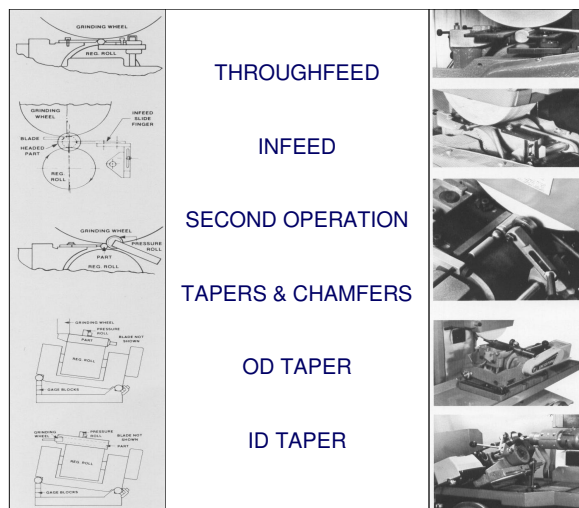
Four DedTru Models to Choose From



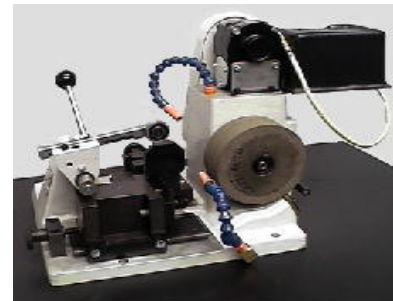
The Model C Fixture is used for throughfeed, infeed and secondary operations and has a 4" wide regulating wheel.



The Model C6 Fixture is built to handle longer parts and is used for throughfeed, infeed and secondary operations equipped with a 6" wide regulating roll.



Model PGF Fixture is used for infeed and secondary operations of parts which have multiple diameters, gears, splines, etc. that require a relieved regulating roll, blade, etc. The Model PGF allows the operator easier access to the end of the part for ID grinding applications.



Our IGF Unit is designed for applications that require grinding the ID of parts closely concentric to the OD. Since concentricity tolerance of 0.000050" to 0.0001" have always been difficult to maintain, Unison offers users a simple solution.

We can also provide you with a Model 388 DedTru® Grinding System or a Model 2150 CNC DedTru® Grinding Machine.

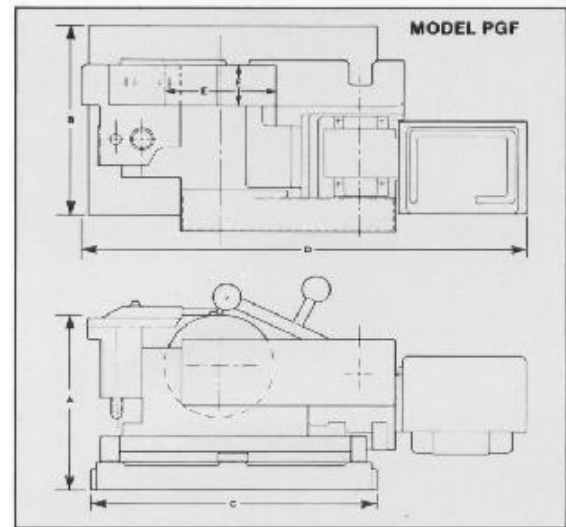
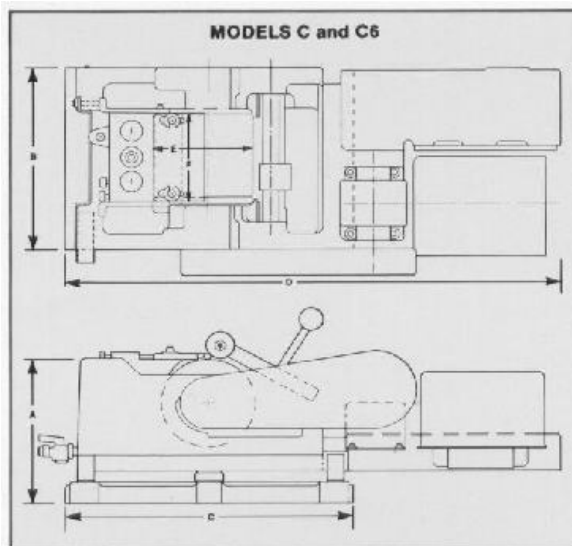
Accessories

A complete line of DedTru accessories is available to accommodate your production requirements

Dynamic & Static Wheel Balancing Equipment
Wheel Dressers Including Line Straight, Angular, Radii, Form, Template & Optical
TilTru Magnetic Chucks
Work Blades & Guides
Work Support
Splash Pans

Pressure Rolls
End Stops
Part Adaptors
Start/Stop Control of Regulating Roll
Coolant Accessories FilTru Tank, FilTru Paper, etc.
Spare Parts

Dimensions



DedTru Centerless Grinding Units are just one example of the equipment NEW UNISON CORPORATION manufactures in the field of precision grinding. We offer a complete line of CNC grinders as well as in-field service

Model	A	B	C	D	E	F
C	7	8.75	13	22.50	4.25	4
C6	8.88	10.75	14.75	23.75	6	6
PGF	8	7.50	13	20.50	5	2*

All rebuilt DedTru Units are disassembled, thoroughly examined, cleaned and inspected. All parts which do not pass inspection are replaced. Normally DedTru Units can be rebuilt in a couple of days. To keep your DedTru in top condition, you should have it rebuilt every two to

Please contact any member of our Marketing Department at (248) 544-9500 or email us at sales@newunison.com to obtain a quotation for sales and/or spare parts.



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"Unison = Grinding Solutions"