

# Model 310GT

**UNIQUE**  
MACHINE & TOOL CO.

## Cope Machine

### FEATURE LIST

- ONE PIECE WELDED PRECISION GROUND FRAME
- (2) 10HP VARIABLE SPEED DIRECT DRIVE MOTORS
- STANDARD 40" WIDE TABLE
- SLIDING TABLE AUTOMATICALLY LOCKS AT CYCLE COMPLETION FOR SAFER MACHINE OPERATION
- 5" OF VERTICAL STACK HEIGHT WITH POSITIONING ON FRONT OF MACHINE
- MANUAL 3 POSITION ADJUSTMENT AVAILABLE WITH DIGITAL INDICATION FOR ACCURATE POSITIONING
- OPTIONAL 3 POSITION TURRET ADJUSTMENT FOR FAST ACCURATE CHANGEOVERS
- 4" OR 6" DIAMETER TOOLING MUST BE SPECIFIED
- HSK OPTION AVAILABLE
- PARTS CLAMPED FROM TOP AND SIDE
- THK LINEAR GUIDES AND BEARINGS



### DESCRIPTION

The Model 310 was designed with counter-rotating cutterheads to eliminate tear-out of profiled edges when cope / tennon cuts are made after the stile or rail cut. The Unique sliding table & safety clamp hold down system provides safe, production while maintaining a high standard of quality parts quickly & efficiently.

Unique has answered the call from customers for increased capacity. The 310 now comes standard with a 40" capacity table & optional extra thickness capacity for custom jobs or entry door parts may be added. Unique also offers a multi-position option with air assisted changeover at the push of a button. The newest addition makes the stacking of three tools possible, with digitally indicated height settings or optional pro-scale..

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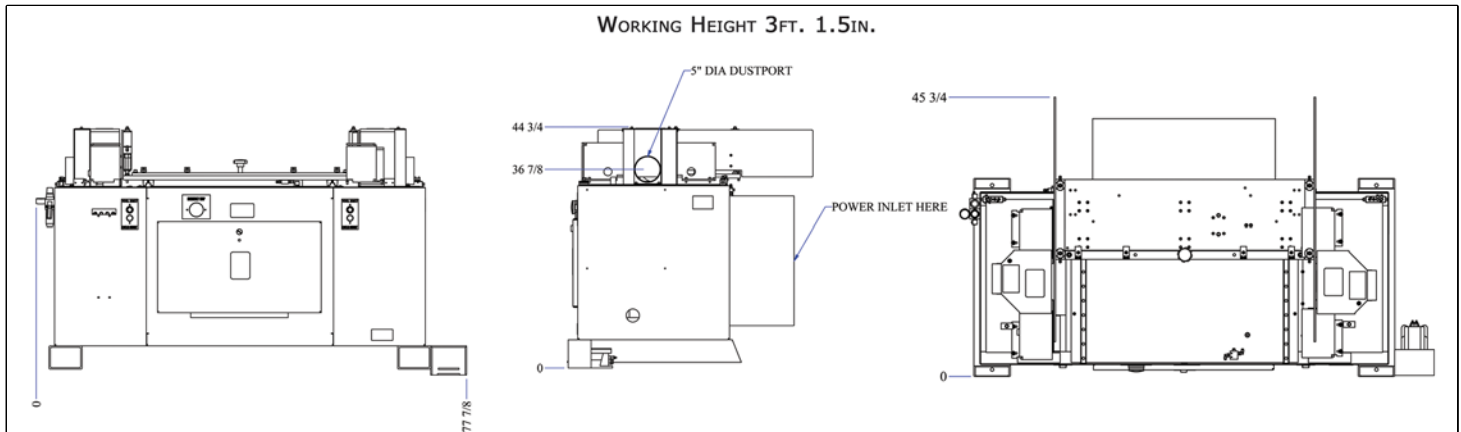
\*Due to continuous improvements, all specifications are subject to change without notice.\*

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## COPE MACHINE

### 310GT MACHINE DIMENSIONS



### 310GT MACHINE SPECIFICATIONS

#### TECHNICAL SPECIFICATIONS

SOME SPECIFICATIONS MAY VARY BASED ON STATION CONFIGURATION

- Shaper Motors (2) 10HP
- Shaper Spindle 1-1/4" Mandrel
- Electrical Requirements 220V, 60Hz, 3PH, 70.93A  
440V, 60Hz, 3PH, 35.47A
- Compressed Air 90PSI, 1CFM
- Dust Collection 1200CFM Per Spindle
- Max Material Width 5in
- Max Material Thickness 1in Standard, 2-1/8in Optional
- Max Cutter Diameter 6in
- Machine Weight 1750lbs
- Work Height 36in

#### DESIGN FEATURES

- Emergency stop, disconnect and lockout features
- Safety interlock prevents table from moving in the unclamped position
- 40" capacity
- Precision machine heavy fabricated frame
- Dual precision mandrels
- Precision shafting and linear bearings
- Adjustable stops for end trimming

### STANDARD OPTIONS

#### Autofeed

The 310GT autofeed option allows for the feeding of door parts. This option assures constant feedrate and production levels. In some cases this can extend tool life.

#### Turret

The three position turret option makes change-over quick and easy. The air assisted spindle moves into position after the desired cutter height is selected by the operator.

#### HSK

Two 16HP HSK-63F electro-spindles give you quick and accurate changeover to an infinite number of profiles. Allows the sharing of tools with other machines in many shops.



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