



# **GRINDING, MACHINING AND HEAT-TREATING SERVICES**



**KINETIC**

[knifemaker.com](http://knifemaker.com)



# SURFACE GRINDING



*Kinetic has several other surface grinders that range in size from 12" x 24" to 36" x 168".*

## **Mattison 3-Column Combination Way, Angle and Surface Grinder**

This unique machine has a 30 HP standard horizontal surface grinding spindle that can utilize up to a 6" wide wheel. In addition, it has a vertical spindle that can swing 45 degrees in either direction. With this spindle we can grind angles and way surfaces. Using the two spindles we can grind several different surfaces in one set up.

- 36" x 120" Magnetic chuck
- 10,000 lb. Table capacity
- Horizontal spindle part dimensions: 35" tall and 40" wide
- Vertical spindle part dimension: 30" tall and 30" wide

Depending on exact dimensions and angles to be ground, larger parts may be accommodated.

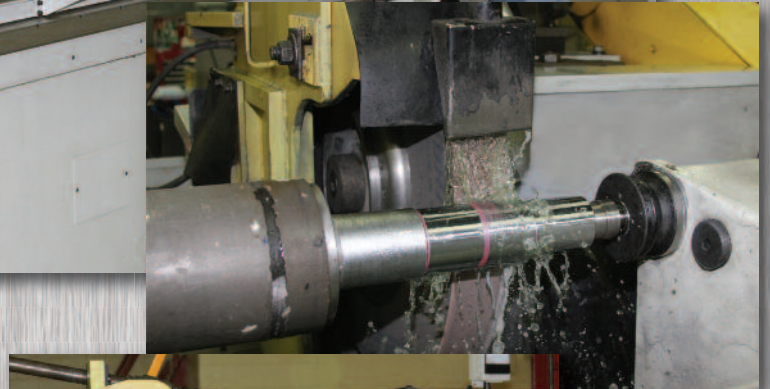


## O.D. GRINDING



### CNC Landis O.D. Grinder

- 24" x 144" Capacity
- 25 HP Main spindle with variable speed control
- CNC control has the ability to do multiple diameters in one setup



### 84" Blanchard

- 150 HP Main spindle motor
- 96" Swing
- 24" Height capacity under new segments
- 10,000 lb. Table capacity



Tolerances of up to .002 flat and parallel can be held across the table depending on material, hardness and thickness.



# GANTRY MILLING CAPABILITIES



## 59" x 118" Table

- X: 128" Table travel
- Y: 78" Cross travel
- Z: 15" Spindle quill stroke
- W: 43" Rail travel
- 30 HP Spindle motor
- 3,000 RPM
- 22,000 lb. Maximum table load
- 94" Between the columns



Kinetic's SNK Bridge Mill expands our capacity to machine larger parts, while allowing operators to have easy access to the part for set-up and checking dimensions.



# LARGE PLATE GRINDING



## 42" x 144" Table

- 48" Diameter segmented grinding chuck
- 300 HP Main spindle motor

In addition to this machine, we have another 400S with a 36" x 240" table, 42" diameter segmented grinding chuck and 250 HP main spindle motor.

**We offer the industry's most stringent manufacturing and testing processes, coupled with more than 65 years of experience.**

## **VACUUM HEAT TREATING**

Our heat treating is NEVER batched with other steels – it is only done with steels of similar grades. At Kinetic, all work is performed under strict control in our vacuum 6-bar Abar Ipsen furnaces. No matter what your part size, large or small, we can handle the challenge. Even if you have a 12-ft.-long piece, we can hang it and heat treat it in our vertical pit furnace.

We heat treat these materials on a regular basis: D-2, M-2, M-3, M-4, T-15, CPM-9V, CPM-10V, A11, A11-LVC, ASP-2053, H-13, S-7 and Inconel.

We offer a full range of furnace sizes: 36" x 36" x 72", 24" x 24" x 40" and a 154" long pit furnace.

## **ABOUT THE KINETIC COMPANY**

The Kinetic Co., Inc. is a third generation manufacturing firm located in Greendale, Wisconsin. Our primary products are industrial knives for the paper, steel, wood and rubber industry. We are also a full-service machine shop. Our state-of-the-art facility is home to skilled machinists, engineers and technical support professionals who have decades of manufacturing experience.

Kinetic's quality system has been ISO 9001 certified since September 1997. It is currently certified to ISO 9001: 2008. Our certifying authority is Det Norske Veritas Certification, Inc.

Trust Kinetic for unparalleled quality and service in these industries:

- Steel
- Paper
- Packaging
- Power Generation
- Machine Tool
- Material Handling
- Food Processing
- Mold and Die



*The world's leading manufacturer of industrial knives for the paper, wood, metal, plastic and rubber tire industries*

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