

# Ketcham & Company Inc.

## News You Can Use

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### EO TECHNICS—WORLD LEADER IN LASER TECHNOLOGIES--A Laser Technology for Every Marking Application

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#### Ketcham & Co., Inc. Manufacturers Representatives & Distributors

Laser Marking Systems

• Dot Peen Markers

• Precision & Production  
Parts Cleaning Systems

• Air Filtration Systems,  
Replacement Filters &  
Mist Collectors and Dust  
Collectors

• RO/DI Water Systems

• Fluid Filtration Systems

Contact Us for more  
Information  
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[info@ketchaminc.com](mailto:info@ketchaminc.com)

We are pleased to announce that we now represent EO Technics Co., Ltd, one of the world's leading developers and manufacturers of laser equipment. For more than 20 years, EO Technics has been an international market and technology leader in the development and manufacture of laser marking systems.

Laser technologies included in the EO Technics product line include Nd:Yag, YV04, Fiber Lasers, Co2 Lasers and EO Technics patented Multi Beam-Multi Laser Technology.

The GF Series Fiber Laser Marker is available in a 10, 20 or 30 watt configuration. The YV04 laser marker; is the next generation in laser marking technology. The YV04 is ideal for high speed laser marking and is widely used in the medical and automotive industries for high throughput applications.

For high volume applications, the Multi-Beam series is a state of the art laser marking system which utilizes up



SuperMark MGF Rotary Table System

to 4 laser beams in the marking process resulting in unprecedented productivity.

Contact us for more information on the EO Technics product line and a complete applications review.



CGF 20 Watt Table Top Fiber Laser Marker



Nd:YAG Laser Marked, 1064 nm

# The Unique New Tri-Kleen 2500 From Tri-Dim Filter

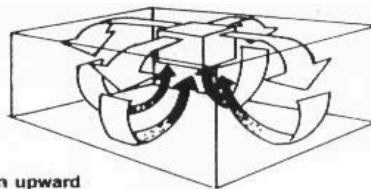
*The New Tri-Kleen  
2500  
Industrial Air  
Cleaner Features  
Three Stage  
Air Cleaning  
With Ultra-  
Efficient  
Coanda Air  
Flow  
—  
For Ducted or  
Ambient  
Applications.*

Tri-Dim Filter Corp. recently introduced their innovative new Tri-Kleen 2500 Industrial Air Cleaner.

The Tri-Kleen 2500 is a self-contained three stage media air cleaner featuring the unique highly efficient Coanda airflow pattern. The Coanda Air Flow Pattern takes advantage of hot process dynamics—the natural tendency for particles to rise along with the heat created by normal industrial processes. The Tri-Kleen 2500 utilizes these natural dynamics and draws polluted air into the bottom of the air cleaner where it then passes through three stages of air filtration. The air flow direction is then changed as clean air is discharged sideways in four directions across the ceiling, down the four walls (or into the airflow pattern of another strategically placed Tri-Kleen 2500), and back into the breathing zone.

Each Tri-Kleen 2500 creates its own airflow pattern. They can be strategically mounted around the facility or mounted directly above the source of the contaminate to capture pollutants before they disperse into the ambient atmosphere. Contact us for a product bulletin.

COANDA AIR FLOW



Air is drawn upward into air cleaner. Clean air is expelled 360 degrees.



The Tri-Kleen 2500 3 Stage Capable Filter Bay



TriMist 500 Mounted on a Tsugami

## TRI-MIST MIST COLLECTORS — LOW MAINTENANCE AND HIGH EFFICIENCY

The high efficiency multi-pass Tri-Mist mist collectors are available in three different sizes. These units are require minimal maintenance with no expensive filters to replace, and are extremely efficient on both oil and water soluble coolants.

Available in different configurations, options include, flex-duct, high density mist pack pre-filters, and a HEPA post filter option.

Tri-Mists are economical, extremely quiet and are virtually vibration free, a critical plus in close tolerance applications.

For high pressure applications, the Tri-Mist is an excellent choice. Mounting options are numerous and the installation is simple “plug and play”.

Call for more information and questions about your application.

## ADF HIGH PRESSURE SPRAY WASHER FOR CLEANING MOLDS IN AN ALUMINUM CASTING PROCESS

An ADF Systems, Model 800 with a 52” Diameter turntable was the perfect choice for cleaning steel molds being used in a foundry operation casting aluminum.

Previously the customer had been hand cleaning to remove mold lubricants and other residue from an aluminum casting operation.

The installation of the Model 800 eliminated the hand cleaning procedure and increased productivity.

This system sprays a heated alkaline cleaning solution at 700 psi removing residue from the steel molds. The cleaning solution is then filtered and returned to the cleaning tank where it is heated for re-use. A second filtration system in the spray circuit again filters the cleaning solution before it is sprayed



ADF Model 800 High Pressure Spray Washer

on the parts. This secondary filtration can be down to 3 microns depending on the applications requirements. At the end of the cleaning cycle, the cover automatically rises allowing for easy removal of the work piece. The cover opens

past the centerline of the washer permitting the use of an overhead hoist. These units are available in a variety of configurations and can be top opening, front opening or pass through with wash, rinse and dry.

We carry a full

range of standard machines as well as custom engineering systems for special applications.

Contact us for a review of your parts cleaning application. We can provide applications tests and recommend cleaning solutions.

*High pressure spray washers offer an economical aqueous cleaning alternative.— A lot of value for a reasonable investment. Wash, rinse and dry in one chamber with particle filtration down to 3 microns.*

## Parts Washers For Every Application



Top Loading



Pass Through Systems



Conveyer System



Rotary Basket System

# Smoke Collector For EDM Application

EDM applications generate particle laden smoke in the shop environment and subsequently in the breathing zone of employees. An efficient ESP collector system can eliminate this hazard.

This Tri-Mist Smoke/Mist Collector is mounted on its adjustable floor stand adjacent to the EDM machine. A flex duct with a ceiling suspension mount is attached to the EDM with a ring clamp. The result is an extremely efficient smoke collector and a clean worker environment. The installation is quick and effective.

The Tri-Mist Collector is a four stage system. The first stage consists of 3" of mechanical impingers followed by an ESP cell that includes 53 sq. ft. of surface area. The third stage is another ESP cell with another 53 sq. ft. of area followed by 1" post filter. An optional 5th stage consisting of a snap on HEPA filter is also available

The Tri-Mist operates from a 115V or 230 VAC line supply. Contact us for additional details and a review of your

application. The value priced Tri-Mist units are in stock for immediate shipment.



## Dot Peen Marking Systems

### A Cost Effective Economical Solution For Product Identification

Dot Peen Marking Systems create the mark using a vertically oscillating carbide indenting pin which is moved in the x and y axis by stepper motors. The mark is formed by the pin which is driven from a programmed controller.

The result is a dense pattern of precise marks that form the letter, character, number, logo or graphic artwork. The possibilities in the formation of the mark, character or logo are immense. These systems are capable of bar coding

as well as 2D Matrix Coding.

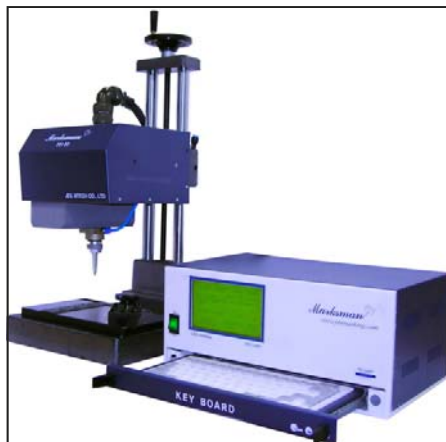
The Marksman Dot Peen product line is broad with models for hand held use, tool post mounting or they can be

integrated into existing manufacturing lines and products.

Complete systems, include integrator packages, and different controllers including a

PC interface. For cylindrical parts a rotary fixture package is also available.

Contact us for a complete information package.



MK100N-MH80 System



Model MH-80



Model S120 Scribe System