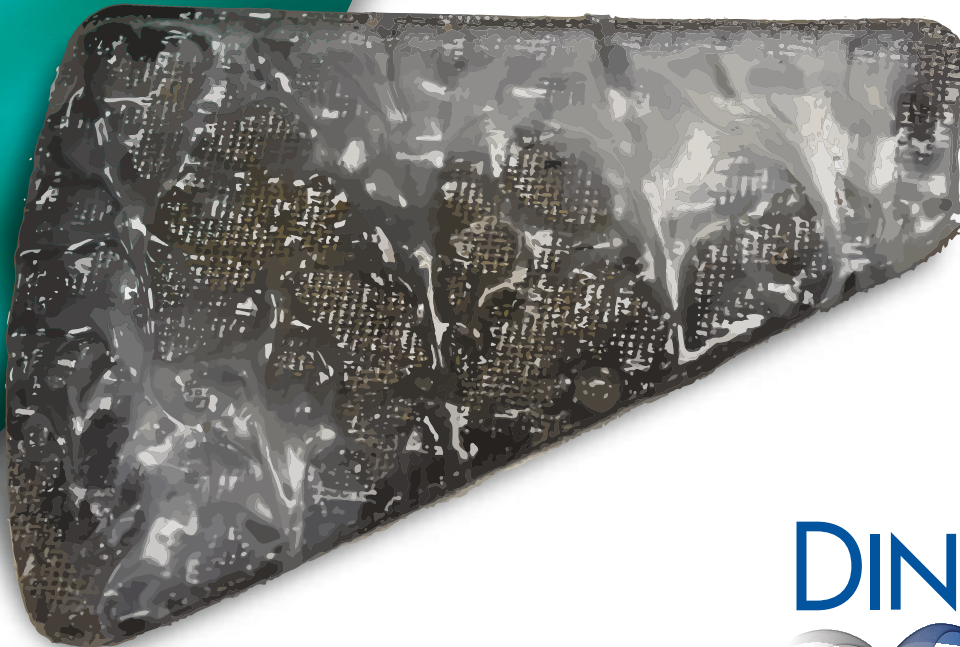


Invest in the future and  
clean metal parts with  
**Dinamec Fluid Clean**  
technology.

With faster, safer and more  
thorough removal of paint,  
coatings, polymers and  
more, the older methods  
no longer make sense.



**DINAMEC**  
systems

*Innovations That Clean*

# DINAMEC FLUID CLEAN

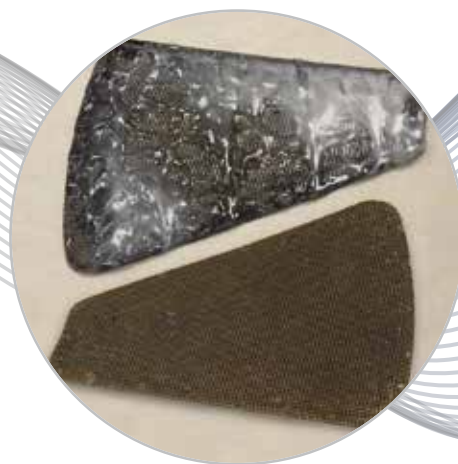
The fast, safe and cost-effective way to clean metal parts.

Cleaning parts isn't your main business, so you don't want a lot of downtime and ongoing expense. We get it. That's why we've helped industries of all kinds make the step up to versatile Dinamec Fluid Clean in-house systems. Customers say they'd never go back to the old ways. **Welcome to the future.**



## Why is Fluid Clean such a smart solution?

- **Faster cleaning cycles** (30-60 min.) mean less downtime
- **High capacity operation** for high volume production environments
- **Thorough stripping** that cleans even complex parts
- **No thermal deformation** of parts or tooling
- **No abrasive damage** to parts
- **No hazardous materials** makes it safe for workers
- **Allows more frequent cleaning** of hooks for better grounding and fewer rejects
- **Automated process** that's user-friendly
- **Configurations** and customizations available to fit your plant's requirements



## What does it clean?

- **Paint hooks** used in painting and powder coating
- **Tooling and dies** used in polymer injection molding and extrusion
- **Manifolds, screws, screens, nozzles, breaker plates**
- **Parts and components** being refurbished
- **Products rejected** for inadequate coating
- **Metals and metal alloys** that are heat resistant
- **Aluminum castings**
- And more...



## What does it remove?

Paint  
Powder coatings  
Polymers  
Rubber  
Polyester  
Resins  
Varnish  
Wax  
Organic Binders (Foundries)  
Grease  
Lubricating Oil  
Clearcoat  
And more...



## How does it save money?

- **Significantly less** wasted paint or powder, for huge yearly savings
- **Low ongoing** operational and maintenance costs
- **Less reject parts** means more income
- **Lower energy use** because of high capacity and quick cycle times
- **No disposal fees** for hazardous waste
- **Stripping certain parts** is now less costly than replacing them
- **The energy produced** is recycled back in, for lower utility costs
- **Long system service** life makes it a smart investment

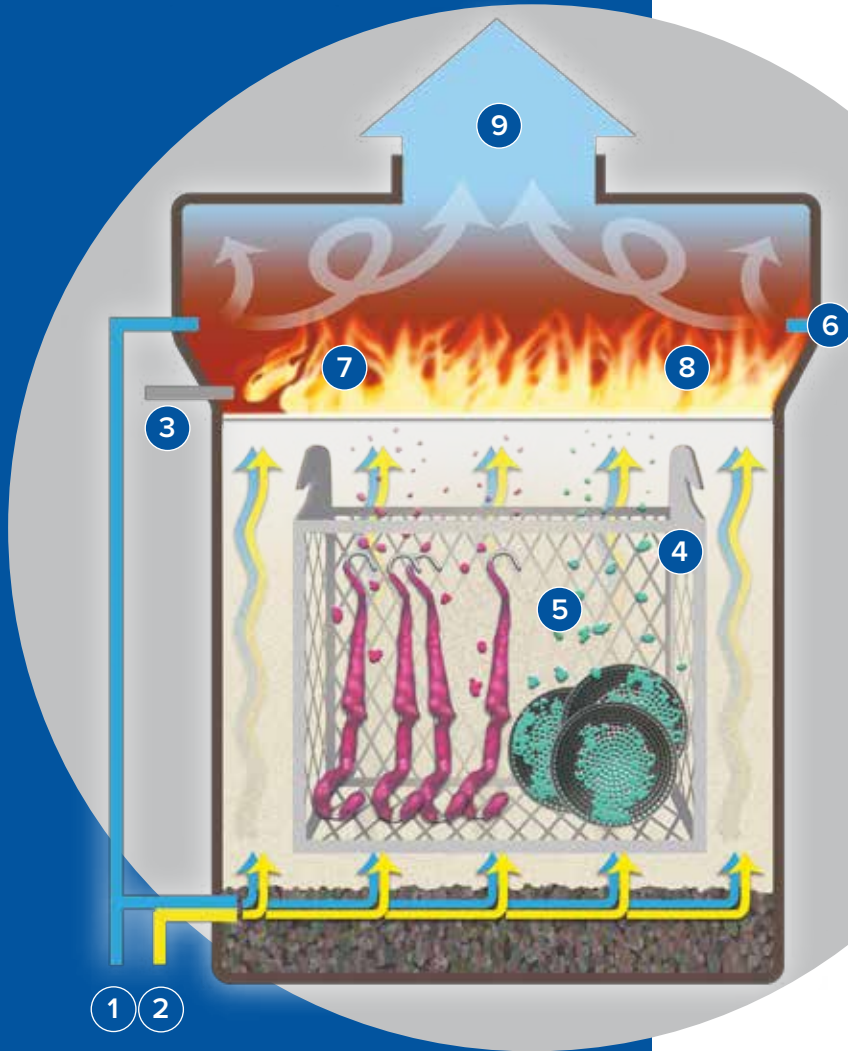


## How is it environmentally friendly?

- **No hazardous waste** to dispose of
- **Meets national safety** and emissions requirements
- **A clean and healthy** alternative compared to other available technologies

## How does it work?

The process of **thermal decomposition** starts with a bath of pure, calibrated quartz sand. Air mixed with gas is injected, then ignited on the surface, to create a bubbling, evenly-heated bed of fluidized sand. As parts are submerged, paint, polymer and other organic materials gasify, which burns away at the surface. Inorganic particles are carried away with a slight movement of the sand, and filtered out.



### THE PROCESS

1. Air Supply
2. Gas Supply
3. Pilot Burner
4. Basket with Parts
5. Processed Gases
6. Secondary Air
7. Flame Shield
8. Combustion Chamber
9. Off-Gases







## Fluidized Bed Dimensions

Standard Machines

All Models Are Available in RAN (flat hood) and ICV (clam shell hood)

Type	Loading Basket (inner dimensions)	Maximum Loading (steel)*	Organic Load**	
			(lbs/batch) min	max
D-080606	23x17x22	128	4	11
D-160606	54x17x22	272	7	21
D-220808	78x25x25	600	15	43
B-240811	86x25x41	800	19	55
B-301011	110x33x41	2071	30	86
B-201611	70x56x41	2258	33	92
B-241611	86x56x41	2779	39	110
B-401011	153x33x41	2771	41	115
B-341414	125x49x52	4530	54	152
B-321616	117x56x61	5748	62	174
B-541613	204x56x49	7985	95	267
B-442214	165x80x52	16000	108	306

\*Amount of steel not including the basket that can be loaded into the machine (do not deduct basket)

\*\*Depending on type of organic contamination

## If Fluid Clean is your solution, then Dinamec is your source.

As the originators of fluidized sand bed technology over 25 years ago, Dinamec engineers have relentlessly focused on continual improvement of the technology. With over 1000 installations worldwide, all types of industries have depended on Dinamec systems, as well as our knowledge base, technical support and service, to meet new challenges. With tanks as long as 20 feet, solidly reliable quality, and variety of customization options, Dinamec remains the go-to source that will be there for you down the line.

### Which industries use Dinamec Fluid Clean?

Automotive	Injection Moulding
Blown-moulding	Military
Compounding	Cleaning
Extrusion	Sub-automotive
Fiber	Surface Finishing
Foundry	

### Looking to remove sand cores from aluminum castings?

Like all Dinamec systems, this specialized unit is faster, safer and more cost-effective than the tedious labor of traditional methods, without damaging or deforming parts.

## TESTIMONIAL

**"The machine ran so well, most people forgot it was even in the building"**

- Donnie Glueck, Environmental Coordinator & Facilities Leader, Rubbermaid, Jackson MO

### The future is here. Ready to find out more?

**Call to get your questions answered**, and to find out if Dinamec Fluid Clean is right for your plant. Learn about costs, as well as available sizes, customizations, and accessories such as hoisting systems, for the perfect installation to keep your operation humming.

**Does Fluid Cleaning work? Send us parts for a free trial cleaning, and see for yourself!**



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