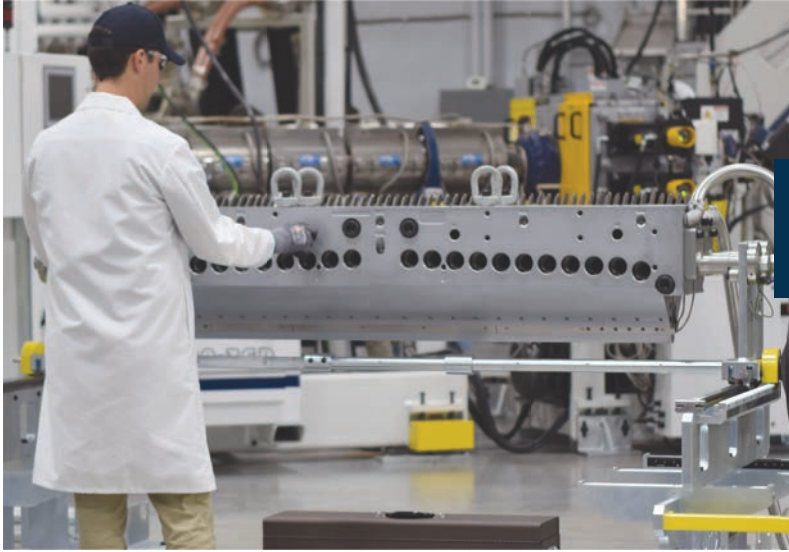


### uCAMS<sup>™</sup> (universal Cleaning, Assembly & Maintenance System)

Engineered for cast film and sheet die cleaning, inspection and maintenance, the uCAMS<sup>™</sup> die splitting cart serves as the foundation of any off-line die maintenance program.



### The Most Versatile All-In-One System for Servicing Cast Film/Sheet Dies, Chrome Rolls & Feed Screws

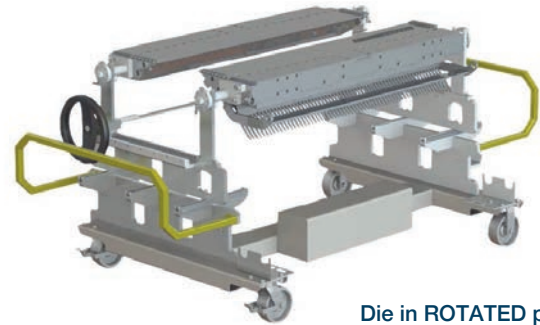
Safety, accessibility, and ease of use provides the optimal environment and utilization of the uCAMS<sup>™</sup> by a single maintenance technician.

System construction enhances workplace efficiency and functionality, allowing a single maintenance technician to easily operate and access components at an ergonomically accessible height. With minimal effort, a technician can split and rotate a die to the desired position for cleaning, assembly or maintenance.

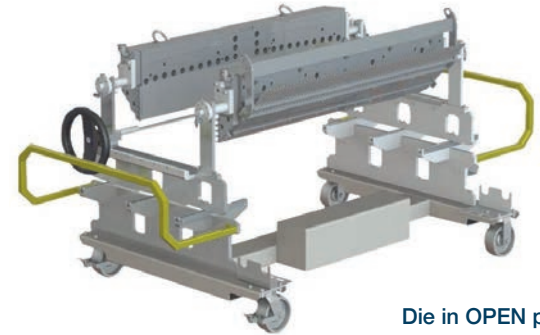
Sturdy frame construction and ergonomic design provides sufficient support and ease of mobility for transport to a safe work environment, while lockable casters offer secure-in-place safety.

By means of a linear traverse rail system and a set of trunnions (conveniently stored within side caddies) the frame easily adjusts to accommodate various service widths.

Tools necessary to work on the die can be conveniently stored and made easily accessible by means of an onboard tool box.



Die in ROTATED position.



Die in OPEN position.

#### Mobility



#### Rack and Pinion



#### Trunnion Caddies



Available in 3 models (1500S, 2000S and 2500S) for servicing die widths ranging from 28 thru 98 inches, the latest uCAMS<sup>™</sup> features a new and unique width adjustment achieved via hand wheels, linear bearings, and a digital readout for width position feed back.

**PATENT PENDING**

## uCAMS™ Plus (universal Cleaning, Assembly & Maintenance System)

Adding the uCAMS™ Plus upgrade transforms the system's functionality threefold, allowing it the additional capability to service chrome rolls and feed screws.



**uCAMS™ Plus features  
Chrome Roll and Feed Screw Cleaning,  
Service and Maintenance Capability!**

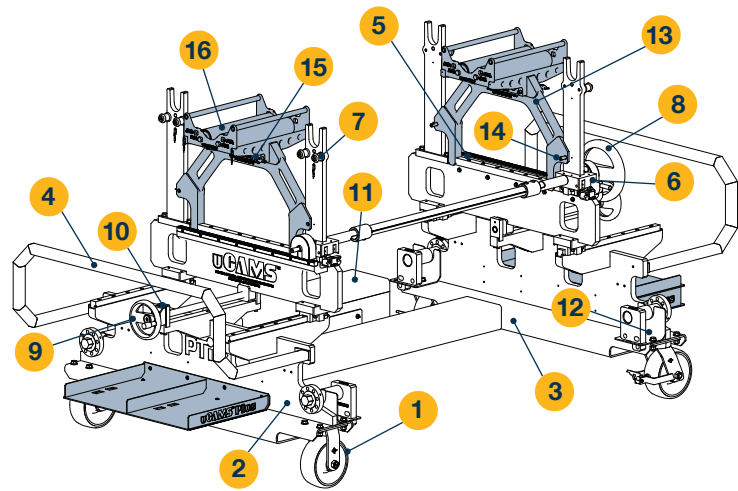
### uCAMS™

- 1 Heavy duty locking casters provide both safe mobility and secured positioning
- 2 Plated surfaces throughout assure maintaining cart appearance
- 3 Heavy duty frame maintains precision alignment of critical motion components
- 4 Ergonomic grab bars allow ease-of cart mobility from/to the service location
- 5 Precision linear bearings with rack and pinion drive are used to open and close die halves when servicing
- 6 Locking mechanism safely secures cradle uprights in fully opened in-service position
- 7 Die trunnions nest in rollers for ease of rotating die halves, while toolless quick-pins secure the desired in-service position
- 8 Oversized handwheel drives rack and pinion for open and close motion control during servicing
- 9 Linear bearing mounted supports and hand wheel driven threaded mechanisms offer ease of width positioning
- 10 Digital width position indicators provide at-a-glance reference during configuration set-ups
- 11 On-board toolbox provides secure storage for uCAMS™ parts and service supplies
- 12 Stowage cradles secure die trunnion set in idle position when not in use

### uCAMS™ Plus

- 13 A-frames support chrome roll journals permitting rotation for inspection and maintenance
- 14 Toolless quick-pins secure Feed Screw Roller Assemblies onto A-frames for ease of configuration changes
- 15 Bronze rollers recessed into A-frames protects chrome roll journals during servicing activities
- 16 Feed Screw Roller Assemblies integrate with toolless quick-pins and feature protective coverings on extended length configurable rollers

### uCAMS™ / uCAMS™ Plus



■ uCAMS™ Plus Components

#### Component Parameters

Model No. in mm	Die width		Chrome Roll* face width diameter				Feed Screw diameter	
	Min	Max	Min	Max	Min	Max	Min	Max
1500S	28	59	38	68	12	36	2.5	6
	710	1500	965	1730	300	900	60	155
2000S	45	79	54	88	12	36	2.5	6
	1130	2000	1370	2235	300	900	60	155
2500S	64	98	74	108	12	36	2.5	6
	1630	2500	1880	2745	300	900	60	155

Max weight limits: uCAMS™ cart, A-frame 6,000 lbs. (2,700 kg.) and feed screw roller assembly 2,000 lbs (900 kg.). Examples: sheet die HM100 72" wide is 1,600 lbs. (720 kg.), chrome roll 36" dia. x 72" wide is 5,000 lbs (2,230 kg.) and feed screw 6" 32D 1,500 lbs. (675 kg.).

\*Note: Larger chrome roll diameter and face width range combinations are limited by uCAMS™ max weight thresholds, not size capacities.

**PATENT PENDING**



World Class Sheet Extrusion Systems

www.ptiextruders.com



Processing Technologies International, LLC | 2655 White Oak Circle Aurora, IL 60502 | Tel: 630.585.5800 | Fax: 630.585.5855

© 2022 PTI. All Rights Reserved. PTI reserves the right to make changes and/or enhancements to the products and services represented herein without prior notice.