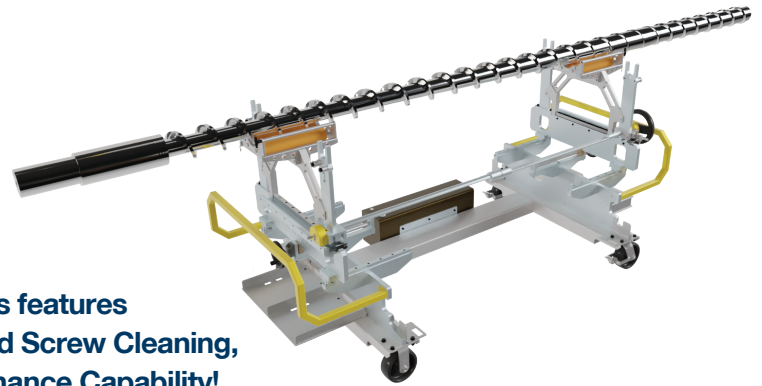


uCAMSTM Plus (universal Cleaning, Assembly & Maintenance System)

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



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

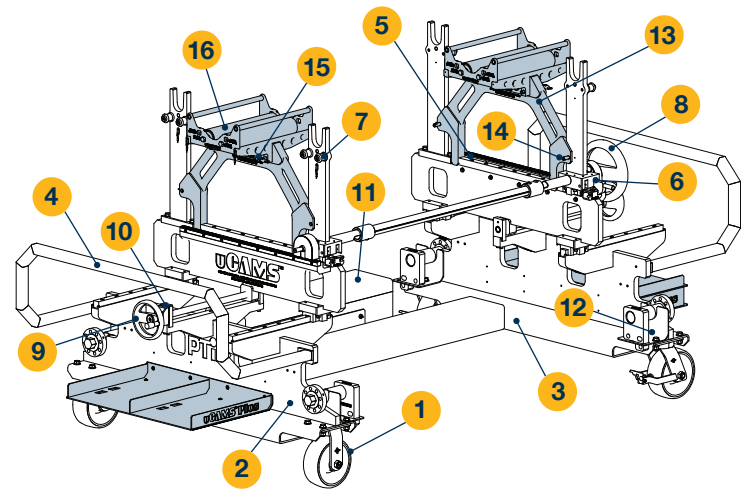
uCAMSTM

- 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 uCAMSTM parts and service supplies
- 12 Stowage cradles secure die trunnion set in idle position when not in use

uCAMSTM 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

uCAMSTM / uCAMSTM Plus



uCAMSTM Plus Components

Component Parameters

Model No. in mm	Die width		Chrome Roll* 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: uCAMSTM 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 uCAMSTM max weight thresholds, not size capacities.

PATENT PENDING



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