



ACE METAL CRAFTS
company

WE DO *More!*

CONTRACT ASSEMBLY

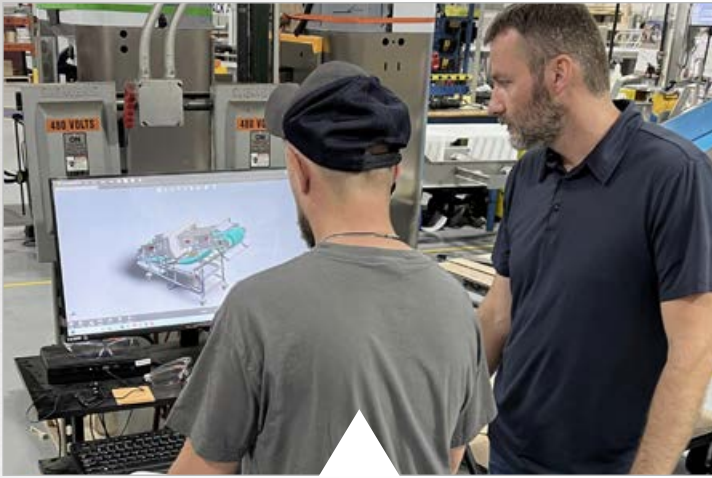


THE ACE CONTRACT ASSEMBLY ADVANTAGE

ACE Metal Crafts Company provides build-to-print contract assembly capabilities which deliver your projects on-time, with the attention to detail and workmanship necessary to address your most complex project challenges.

We understand your project may involve several integrated solutions. Our Contract Assembly services are a dynamic collaboration with your team, working as an extension of your manufacturing floor. Our engineers and assembly experts bring significant advantages to your project schedule, and bottom-line.

- We are focused on your key goals, from initial project scope to completion, learning the nuances of your project through open communication and collaboration.
- By applying lean manufacturing concepts, we actively work to reduce project costs and timelines.
- Through our collaborative approach, design issues are immediately addressed by our ACE in-house engineering team, with solutions quickly provided through 3-D renderings so enhancements are made during assembly limiting downtime and keeping your project on schedule.



OUR COMMITMENT TO EXCELLENCE

For over 60 years, ACE Metal Crafts has provided quality products and services. We continue to reinvest in emerging technologies to bring industry-best capabilities to your contract assembly needs.

- Eliminating/Limiting Internal Operations
 - Receiving parts
 - Inspecting parts
 - Material handling
 - Production delays - time looking for lost parts
 - Administration – less purchasing and accounting time
- Reducing
 - Inventory
 - Lead-time
 - Investments in capital equipment
 - Recruiting costs
- Gaining
 - Sanitary belt welding
 - Product testing and calibration
 - Assembly from 3D models or blueprints
 - Production capacity allows you to sell more equipment
 - JIT delivery capabilities
 - Traceability
 - Single part number ordering
 - Opportunities for future cost improvements through value engineering
 - Dry fitting for quality assurance
 - Custom crating and shipping

ACE LEVELS OF CONTRACT ASSEMBLY COMPLEXITY



SUB-ASSEMBLY

With our sub-assembly integrated solutions, we provide streamlined solutions to your project, including:

- ▶ Doors/Windows
- ▶ Organized part kits
- ▶ Modular stations

VALUE ADDED:

- Single piece flow for ordering of multiple part numbers
- Grouping, packaging, and labeling of parts to optimize parts assembly and ensure quality
- Internally focused on proprietary designs

MECHANICAL ASSEMBLIES

We utilize state-of-the-art equipment and mechanical assembly techniques to produce high capacity, quality structures, including:

- ▶ Enclosures
- ▶ Framework
- ▶ Process skids

MATERIALS:

- Customer supplied material
- Mixed materials (i.e. stainless steel, plastics, aluminum, carbon steel, titanium, epoxy, silicone)

VALUE ADDED:

- Fit for function
- Modular assembly
- Sub-assembly



ELECTRO-MECHANICAL ASSEMBLIES

Our electro-mechanical assemblies deliver multi-component solutions which are ready for installation, including:

- ▶ Conveyor belts
- ▶ Electrical wiring
- ▶ Pneumatics
- ▶ Mixers
- ▶ Weigher scales
- ▶ Fillers
- ▶ Safety switches & sensors
- ▶ Motors

VALUE ADDED:

- Test equipment for functionality based on specs provided
- FAT (factory acceptance test) in-person testing for pre ship inspection (PSI)

CONTRACT ASSEMBLY SERVICES from ACE
 can deliver **SIGNIFICANT SAVINGS**
 in ADMINISTRATIVE, LABOR and INVENTORY costs.

CALCULATE YOUR SAVINGS WITH 4 KEY METRICS

Savings Metric		Direct Impact			Reduction or Improvement	Savings	
Reducing administrative costs for multiple Purchase Orders		Average Cost to create a P.O.	Unique Parts in an Assembly	Average total cost to create multiple P.O.s for Assembly	Cost for creating only 1 P.O.		
	Example Data	\$12.50	25	\$312.50	\$12.50	\$300.00	
	Your Data						
Reducing labor costs for Receiving and Inspection of Inventory (input)		Average loaded cost per hour - inventory receiving	Average time to receive parts per P.O. (minutes)	Unique Parts (P.O.s) in an Assembly	Average total cost to receive separate inventory for Assembly	Cost for receiving only 1 P.O.	
	Example Data	\$50.00	30	25	\$625.00	\$25.00	\$600.00
	Your Data						
Reducing labor costs for Inventory Handling (parts pulled into production)		Average loaded cost per hour - inventory handling	Average time to obtain parts per P.O. (minutes)	Unique Parts (P.O.s) in an Assembly	Average total cost to move separate inventory for Assembly	Cost for managing only 1 P.O.	
	Example Data	\$50.00	30	25	\$625.00	\$25.00	\$600.00
	Your Data						
Reducing administrative costs for Payment of Invoices		Average loaded cost per hour - accounts payable	Average time to pay invoices per P.O. (minutes)	Unique Parts (P.O.s) in an Assembly	Average total cost to pay multiple, separate invoices for Assembly	Cost to manage and pay only 1 Invoice (1 P.O.)	
	Example Data	\$50.00	15	25	\$312.50	\$12.50	\$300.00
	Your Data						
Example Data - Estimated Total Soft Cost Savings for ONE Assembly over FOUR Metrics						\$1,800.00	
Your Data - Estimated Total Soft Cost Savings for ONE Assembly over FOUR Metrics							
Estimated (similar) total projects converted to ACE Contract Assembly							
Estimated annual cost savings							



SCAN HERE TO CALCULATE YOUR SAVINGS

How do we reduce administrative costs for multiple Purchase Orders?

FOR EXAMPLE (costs may vary):

A given assembly is made up of 25 unique parts.

An ACE customer issues 1 purchase order vs. 25 individual purchase orders

- Average cost to create a purchase order = \$12.50

- Average total cost to create 25 purchase orders = \$312.50

Average total savings to create 1 purchase order compared to 25 = \$300 for ONE assembly



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