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*MORE THAN COMPLIANCE –
WE IMPROVE THE BOTTOM LINE*

NewEcologySystems.com

Manufacturing Our Drum Recycling Equipment

We manufacture our equipment primarily at the KASPAR Companies in Shiner, Texas. We use contract designers with whom we've had relationships for years. Specialist fabricators are used for different components, with the parts or sub-assemblies delivered to Kaspar for installation and final assembly, finishing and testing.

We are a lot like General Motors - We have some things made elsewhere then we put it all together, finish it and the customer drives it away. Expect we don't have a production line. So maybe we're more like Lamborghini: One at a time, designed with a purpose, high quality, and special attention.

Experts We use experts in their various fields. Hydraulics details are finalized by hydraulics experts. Hydroblast details are provided by those specialists. Machine elements are detailed by people with many years of experience in designing, fabricating, installing and commissioning equipment from pressure test cabinets through munitions and other manufacturing systems to nuclear materials decommissioning and decontaminating systems... and drum recycling systems.

Drawings Contract designers produce the AutoCAD drawings and renderings to ensure everything fits as planned in the design process, and to provide clear and accurate shop drawings for fabrication and assembly.

Larger Hydraulic Power Units Control valve assemblies, motor/pump assemblies, filter, coolers and other items that would be mounted on the hydraulic oil reservoir and operated as a hydraulic power unit are made at Tex-a-Draulics in Houston. Smaller Hydraulic Power Systems are made at Lavco Manufacturing.

Hydroblast Power Units These are fabricated at Lavco Manufacturing, Houston, Texas.

Sheet Metal A couple different shops in Houston



DR II Skid and SS
Collection Pan



Fabrication of Lance
Frame



30HP Hydraulic Power
Unit



800,000BTU/Hr twin-
burner Hydroblast
Unit under
construction



Lance Sub-Assembly



Installing Components

depending on the size and thickness of the part. Lavco Manufacturing usually manages sheet metal enclosure, decks and brackets fabrication.

Major Structural Weldments Crush frames and lance frames which require precision for alignment purposes are made at a fabricator shop with large welding capacities and with tables and jigs to produce those items. They make the larger skids, too. Smaller structural weldments and components are produced at Lavco at Kaspar.

Machining Lathe and mill work - Lavco or Kaspar.

Controls and Electrical KASPAR does all the wiring and installation. Controls design and programming contractors are occasionally employed.

Finishing Metal components are sandblasted or otherwise prepared properly to ensure a durable and neat industrial finish. Then, depending on their size and their service, they are either finished with a powder coat or a two-part epoxy. Large skids are sent off-site to industrial finishing companies. Stainless Steel, items which are adequately finished by their manufacturers, hoses, plated fittings, cables, conduits and so on are not painted painted again. .

Assembly, Testing and Shipping All the bought-out parts and subsystems manufactured elsewhere are delivered to KASPAR for assembly. Except in a couple cases where exceptional strength is required, all fasteners used in the assembly process are stainless steel. The units are operated to ensure proper function. If a customer has ordered a witness test they can come out and run it themselves. Then the units are disassembled, finished, reassembled, prepared for shipment and shipped.



Control & Electrical Panels being wired and tested



Controls program adjustments



Witness Test Complete.



Main Frame Painted after witness test disassembly



Finished, reassembled and ready to be prepared for shipment.



An installation

Shiner, Texas --- 2.7 hrs west of Houston airports.
1.3 hrs SE of Austin's Bergstrom (AFB)

