

Replace Old Tandem Cylinder Technology with Uniloy's New and Improved Gang Cylinder Retrofit!!

This month's web posting presents our new Gang Cylinder retrofit which is available for Moving Spiral (MS) head assemblies in 8lb, 10lb, 15lb, 25lb, and 35lb sizes. This retrofit can be installed on single or double head assemblies. The new cylinder arrangement performs the same functions as the original tandem design with the twin cylinders on top providing die gap movement and the lower two cylinders providing plastic ram out.

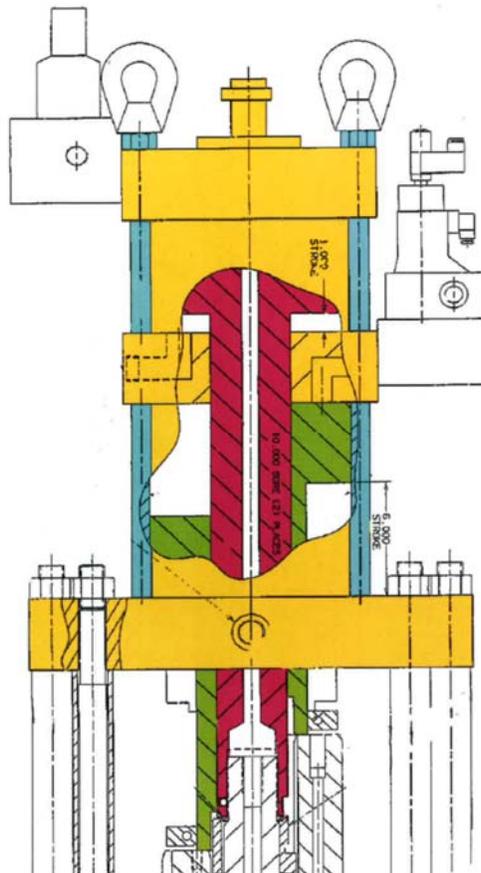


Gang Cylinders on a Dual Head

Gang Vs Tandem Cylinder Designs

Tandem Cylinders

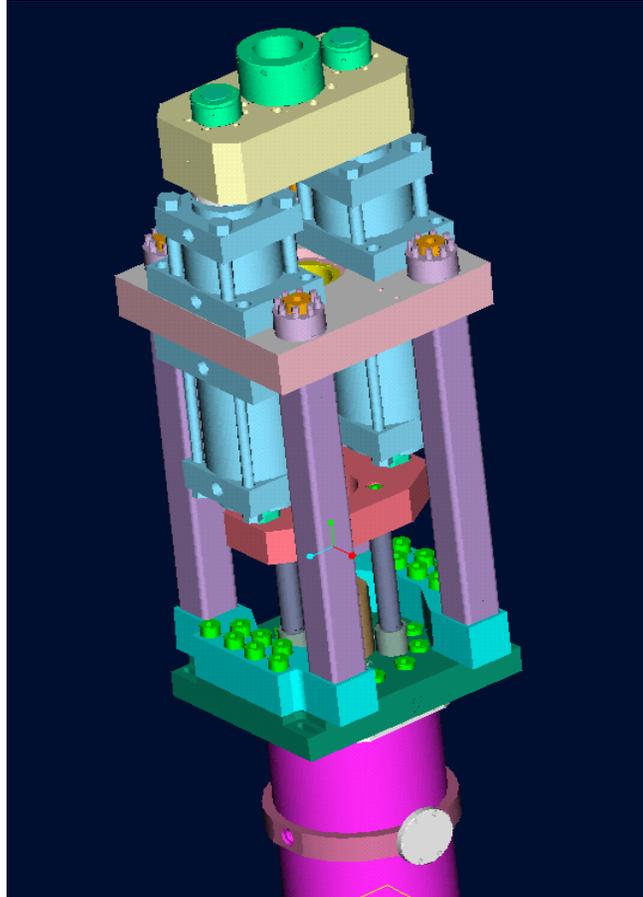
The original tandem cylinder design was like two cylinders built in the space of one. The two cylinders were positioned end to end with a shared end cap between them. The cylinder rod of the upper cylinder passes through the hollow shaft of the lower cylinder making it possible for both cylinders to perform their separate functions on the same axis. The benefits of this original design was that it saved space, had fewer parts, and was cost effective to build. The problem with this design is that it is difficult and time consuming to service. When internal seals fail, the whole assembly has to be removed from the machine and be completely taken apart, serviced, and put back together.



Tandem Cylinder Assembly

Gang Cylinders

The Gang cylinder design consists of two sets of twin cylinders mounted to a common plate, with mandrel and ram components mounted on opposite ends. This design allows traditional cylinders to be used with common seal kits. Individual cylinders can be removed for service without a complete teardown.



Gang Cylinders on a Single Head

Benefits Include:

- Increased reliability
- Greatly increased seal life
- Lower maintenance cost
- Less down time
- Standard seals
- Standard cylinders

Package Includes: (per head)

- Twin program cylinders
- Twin ram cylinders
- Parison rod mounting plate
- Cylinder mounting plates
- Push out plate
- Tie bars
- Tie bar nuts
- Guards
- Parison adjust rod
- Hydraulic manifold (if required)
- Misc. hardware and fasteners

Sales and Service and Engineering

For more information including pricing on a gang cylinder retrofit, or any other machine upgrade, please contact your local Uniloy Parts Sales Representative. Trained Uniloy Service Representatives are available to assist in the installation of these packages at your facility. All Uniloy retrofit packages are engineered to suit your individual machine specifications. Complete engineering documentation including assembly drawings, parts lists, and schematics are always included.