Engineering,
Research,
Equipment Design
& Upgrade.

cscon

UPGRADES and NEW CONTROLS
for PACKERHEAD MACHINES

For any Brand of Equipment of any age

2.2 mt (84'') PACKERHEAD UPGRADE

OBJECTIVES OF THE UPGRADE

- Elimination of obsolete parts that are not easy to source and/or they are available at very high prices and long delivery times.
- Upgrading electronic controls to provide consistent product quality.
- Upgrading to our proven electronic drive system from the common existing hydrostatic drives provides the following benefits:
  - **Reduce Costs** They consume 30% less energy than hydrostatic drives
  - **Reliability** Our electronic drives last a virtual lifetime compared to the pumps for hydrostatic drives with a typical replacement frequency of 4 to 5 Years.
  - **Quality** The response time to make automatic adjustments happens in 2 milliseconds compared to 250 milliseconds for hydrostatic drives.
  - **Productivity** A total system upgrade will allow for an output of up to 60 pipes per hour for smaller diameter pipe and reduce manhours per ton.

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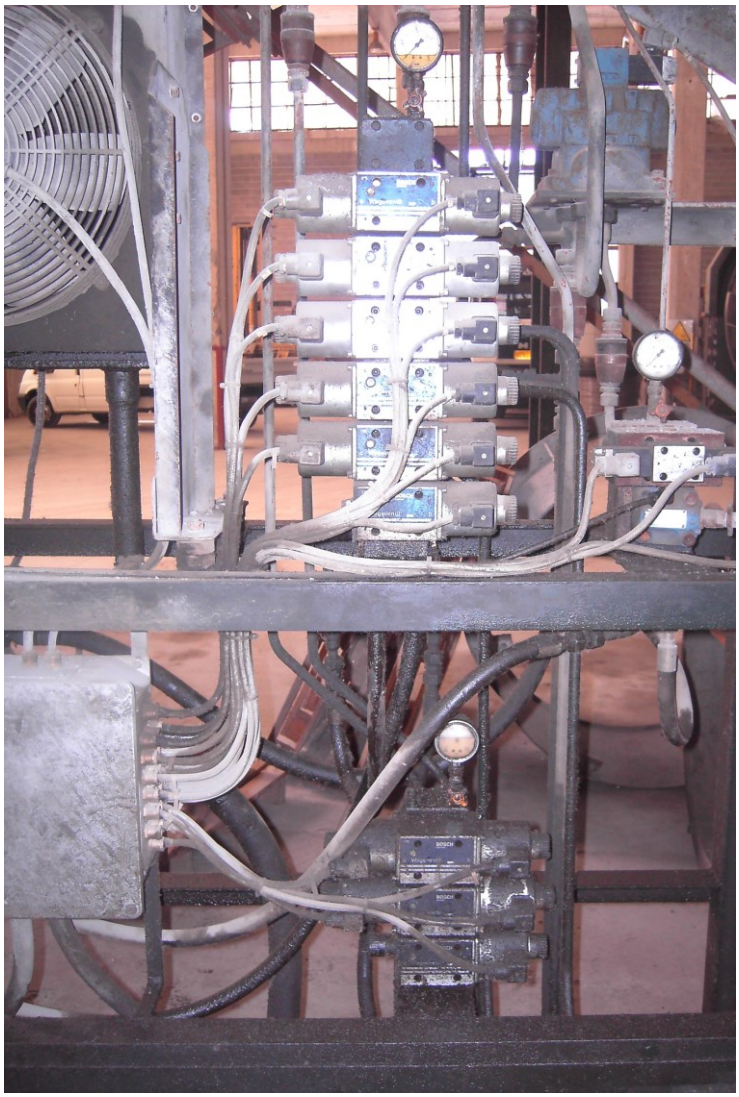

CUSTOMIZED MANIFOLD UPGRADE

A CONTINUOUS SUPPORT PROGRAM WELL BEYOND THE MACHINE MECHANICS AND CONTROL

- Our controls systems are providing very advanced tools in terms of diagnostics to help locally performed diagnosis but also real time remote assistance in fine tuning recipes to fix operational problems or product quality.
- Our support engineers have a very deep knowledge about pipes, concrete, and reinforcing, in addition to our knowledge of machine technologies.

WE ARE OPEN TO SHOW THE REAL RUNNING OF A MODIFIED PACKERHEAD IN OPERATION

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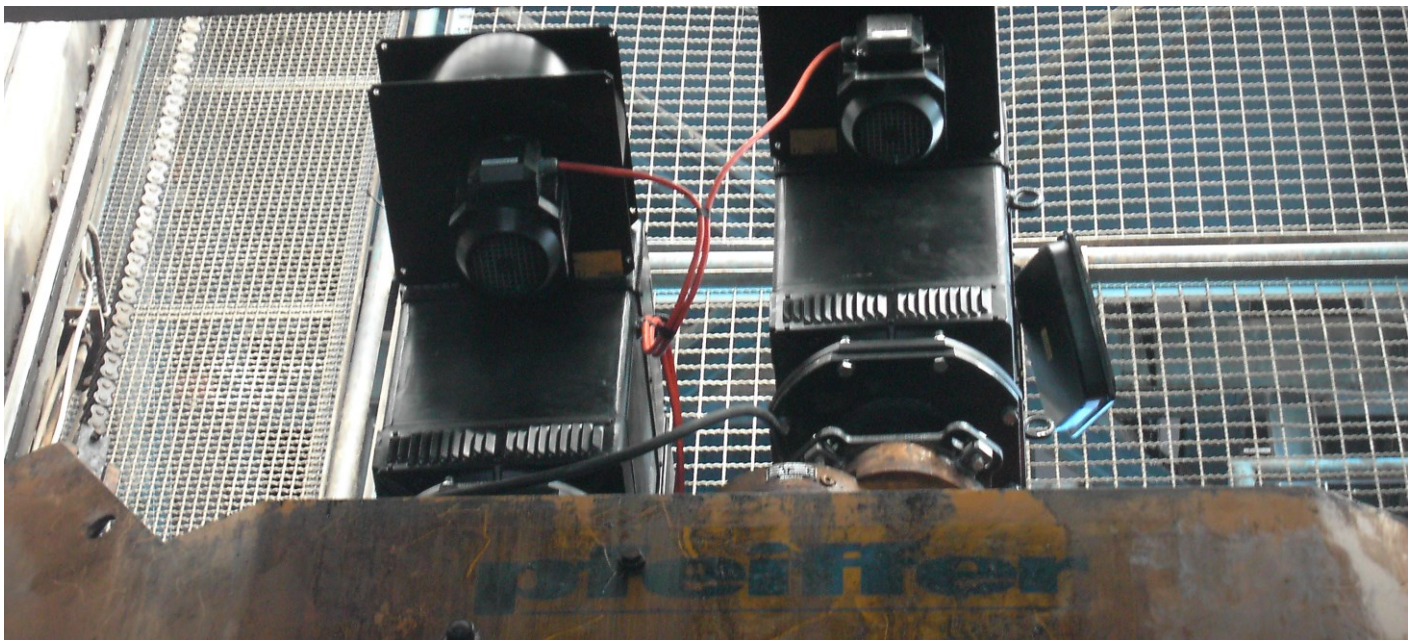

CONVERSION OF A PFIFFER FROM HYDROSTATIC TO ELECTRIC DRIVES

THE UPGRADE PROCESS

- Is customized based on the customer needs. We can provide everything from a consult to a complete Turn Key solution.
- Can be performed on-site, or partially remote depending on the upgrade. For example, a crosshead transmission upgrade has a phase at our shop and then on-site for the installation. A simple control upgrade is done on site only.

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BEFORE UPGRADE OF A 1980s SIOME 1500 (60'') PACKERHEAD MACHINE

THE CSCON PACKING CONTROL ALGORITHM

- The current CSCON packing control algorithm is the next generation of what is currently used on the most advanced new Packerhead machines.
- The benefits of this control algorithm include enabling the production of ultra-thin wall pipes (25mm min. thickness).

AFTER UPGRADE OF A 1980s SIOME 1500 (60'') PACKERHEAD MACHINE

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PLEASE CONTACT US IF YOU WANT TO FIND OUT HOW TO GET MORE FROM YOUR EXISTING PACKERHEAD MACHINE

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