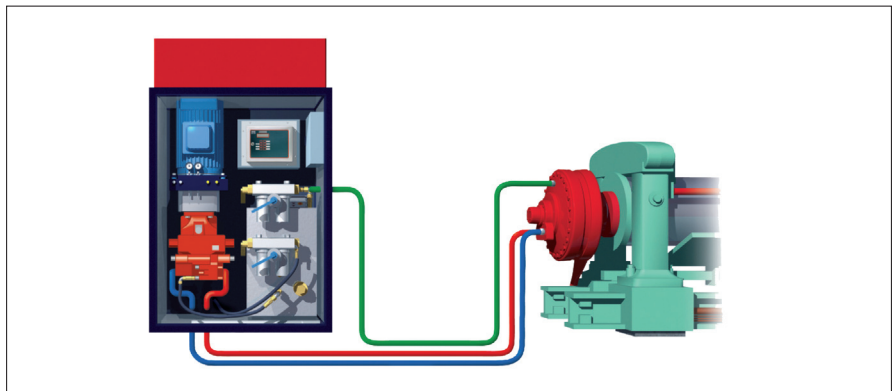


Tough drives for demanding applications

Direct hydraulic drives

Low speed drives have traditionally been provided by some form of geared reduction with often quite complex arrangements, but now there is an attractive and simple alternative using direct hydraulic drives.

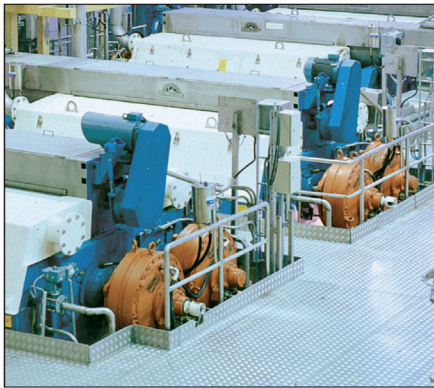
Häggglunds Drives manufacture a very wide range of motors which eliminate the need of gearboxes the need of gearboxes and present some very interesting benefits on applications like rubber mills and mixers, roll or screw presses and tunneling equipment. They are compact, simple, highly efficient and user friendly suitable for all environments including ATEX. They give smooth control and can be stopped and started, even reversed as often as you like using the responsive pump control, so you don't have to oversize the electric motor to give high start up torques.



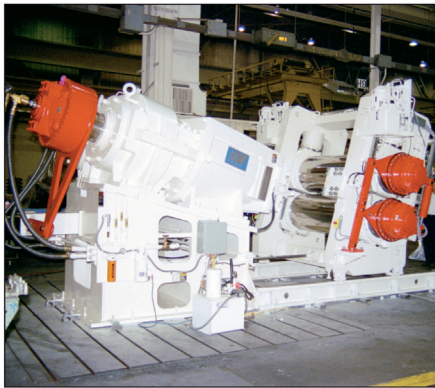
A typical Häggglunds Drive consists of a drive motor selected from the wide range available to give the torque required. A power unit with a variable displacement pump/motor set and necessary tank, filters and instrumentation. A control and monitoring unit and the inter piping. The arrangement is versatile and flexible which enables customisation to suit the exact requirements of the application and environment.

There are no costly foundations or alignment problems either. The free standing cabinet style power unit, which can supply several drives can be positioned well away in some conveni-

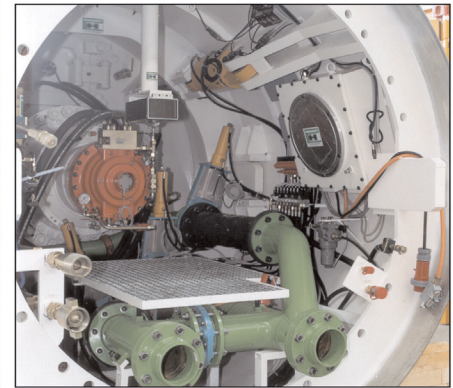
ent place leaving a very compact drive arrangement with minimal maintenance to do and providing stand-by and redundancy if required.



Process applications like displacement or screw presses are ideal for direct hydraulic drives. The speed can be controlled in relation to load to improve the performance. The power unit can be positioned conveniently away from the machine improving operator and maintenance access.



Rubber processing machines like this extruder-sheeter or mills and internal mixers improve productivity with direct hydraulic drives. They are responsive, forward/reverse and fast stop, giving full torque even at the very low end of speed range with through hole facilities for cooling water.



Mining and tunnelling equipment like this cutterhead or feeders and conveyors benefit from the very compact size of Häggglunds motors in relation to the torque and power available. The motors are heavy duty as standard and can take shock loads and vibrations without problems.