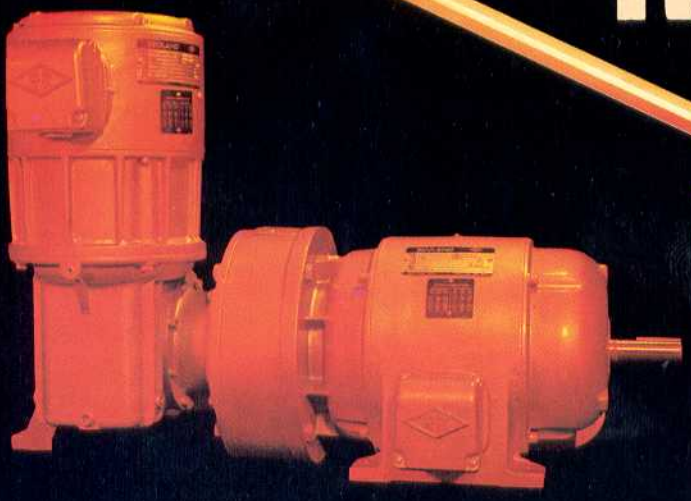
REULAND



MULTI-DRIVE UNITS

for both continuous and intermittent duty applications

THE REULAND MULTI-DRIVE consists of a high speed main drive motor and a low speed secondary motor which are coupled together through a DC operated electric clutch permitting either motor to be operated independently through a common drive shaft.

UNLIMITED NUMBER OF POSSIBLE COMBINATIONS - All types of Reuland motors, including multi-speed motors, can be combined with any of our listed motoreducers, brakes, and clutches, to give you the exact drive requirement your equipment needs. Reuland fluid-shaft motors are available on some combinations but cannot be used for the main drive motor where the auxiliary motor drives through the fluid coupling. The wide variety of components available to us makes it possible for our engineers to design multi-drive units covering almost any possible requirement. Reuland multi-drive units are presently operating on a variety of applications including crane and hoist drives, screw conveyors, conveyors, sorting machines and many others.

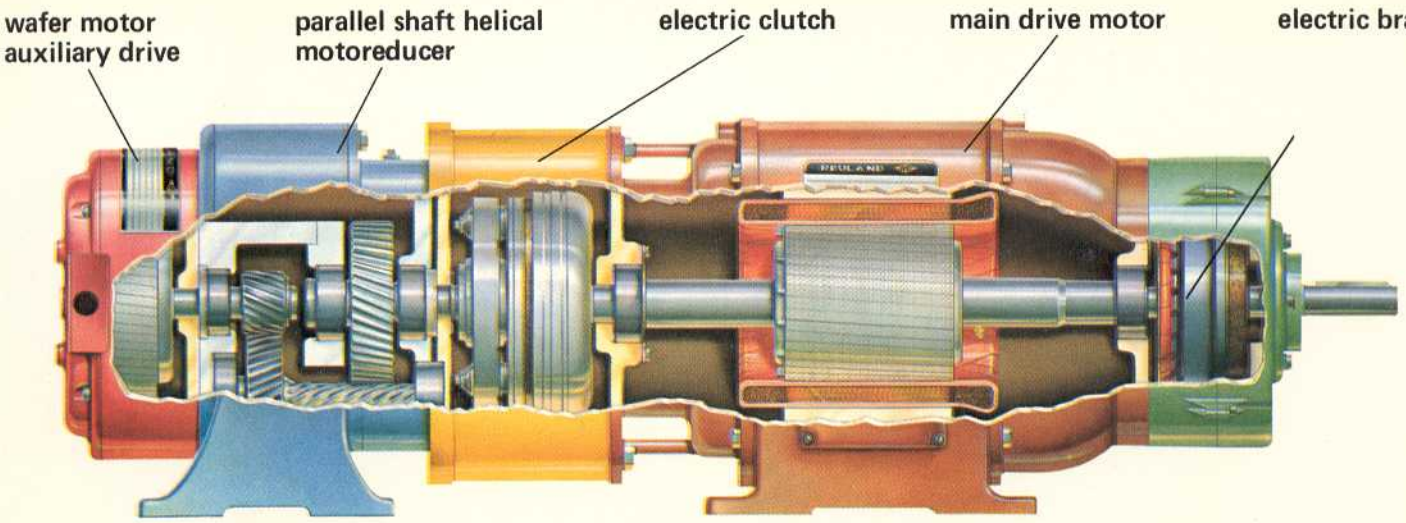
FOR EXAMPLE - Combine a wound rotor motor, having a five step secondary control, coupled through a clutch to a single speed squirrel cage gear motor to obtain normal variable speeds and an extremely slow speed with full constant torque for precise positioning. This arrangement is less expensive and more easily maintained than a full DC adjustable speed drive, and it often satisfies all the operating requirements for which such drives are specified. Combinations with multi-speed motors and adjustable speed low speed motors are available.

STANDARD MODIFICATIONS can be furnished for Reuland multi-drive units including NEMA face and flange mountings as well as special mountings and special shafts.

THE GROWING NEED for constant torque power units for applications requiring speed ranges not available with the use of multi-speed motors inspired Reuland to develop and pioneer the integral multi-drive unit.

FOR YOUR APPLICATION submit details to your nearest Reuland Electric Company Representative or direct to the company in Howell, Michigan, or Industry, California, where they will receive our immediate attention.

BULLETIN MD-800



The assembly shown above is typical of how your specific drive requirement can be met with a Reuland multi-drive. All our motors, gears and brakes (with the exception of the fluid-shaft) can be combined into multi-drives to give you many features not normally available. They are designed to offer the widest variety of possible applications.

WAFER MOTOR AUXILIARY DRIVE - For low speed operation through a motoreducer. In this unit, a space saving wafer motor is utilized. Other motors are available depending on horsepower and torque requirements.

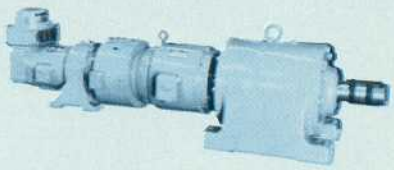
PARALLEL SHAFT HELICAL MOTOREDUCER - Another space saver. A double reduction helical gear unit to reduce rpm and increase torque. Available in a variety of reduction ratios.

ELECTRIC CLUTCH - A DC operated electric clutch. Allows instant switching between main and auxiliary drive motors.

MAIN DRIVE MOTOR - For higher speed operation. Any listed speed, torque, or horsepower rating you want. Ratings from .25 to 80 horsepower.

ELECTRIC BRAKE - A Reuland adjustable disc brake for fast, smooth stops.

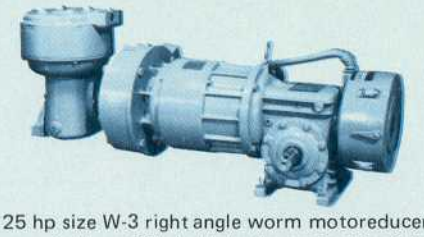
.75 hp size V-3 right angle motoreducer with a 125 rpm output, connected by a DC clutch to the main drive 5 hp, 1200 rpm foot mounted motor.



3.25 hp size "E" adjustable speed drive double reduction helical motoreducer, connected by a DC clutch to the main drive 17 hp size 143 triple reduction helical motoreducer. Final output speeds of 21 rpm and varible 3.12 - 1.04 rpm.

1 hp size V-3 right angle worm motoreducer with a 48 rpm output, connected by a DC clutch to the main drive 15 hp, 1200 rpm motor with special shaft and adapter for mounting directly to an overhead crane hoist.

.25 hp size V-3 right angle worm motoreducer, connected by a DC clutch to the main drive .75 hp size HW-3 right angle worm motoreducer with a 15.8 rpm output and size "L" adjustable disc brake. Final output speeds 15.8 and 0.5 rpm.



.125 hp size W-3 right angle worm motoreducer, connected by a DC clutch to the main drive 1 hp size V-3 right angle worm motoreducer with a 175 rpm output and size "L" adjustable disc brake. Final output speeds 175 and 9.7 rpm.

1.5 hp size V-3 right angle worm motoreducer connected by a DC clutch to the main drive 2 speed, 1800/900 rpm 7.5/3.75 hp size "L" double reduction Versa-Drive motoreducer with a 56/28 rpm output and adjustable disc brake. Final output speeds 8, 28 and 56 rpm.

the power drive people . . .

REULAND ELECTRIC

MOTOR DIVISION: 17969 E. Railroad St., Industry, California 91748 - (818) 964-6411 - TWX (910) 584-1308

BRAKE DIVISION: 4500 E. Grand River Ave., Howell, Michigan 48843 - (517) 546-4400 - TWX (810) 251-6266

Representatives in all principal cities

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