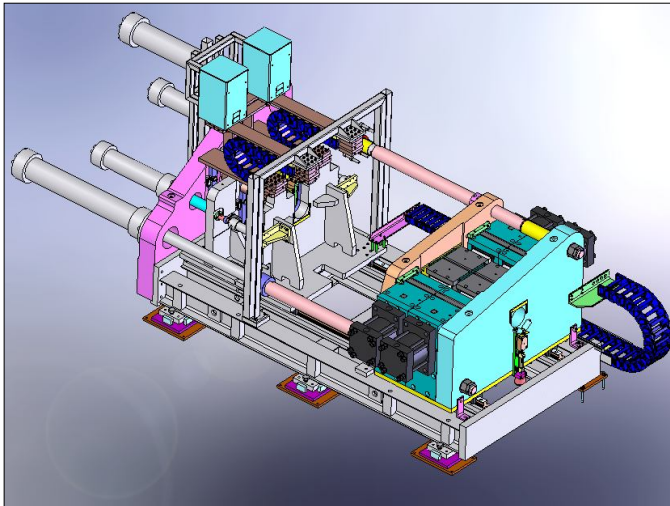


GATWICK FULLY AUTOMATIC DRILL PIPE ELECTRICAL UPSETTING MACHINE



EUM 750 Specification

Pipe Diameter Range 2 3/8" to 6 5/8"
(Drill Pipe API Spec D)

Power 630 kVA

Maximum Upsetting Force . . 70,000Kg
(Hydraulic Control)

Capacity 210mm Die /
Electrode Stroke
205mm Gathering
Stroke

Upsetting Cycle 1.) Initial Heating
2.) Die Retraction
3.) Forming / shaping
4.) Closed Die
Upsetting
to shape

Part Feeding End loading via robot
or manual
or automation

Advantages of Upsetting:

- Only heats the portion to be upset, remaining portion is still cold and can be handled without surface damage or marking.
- No burning or scale is produced due to fine control of heat.
- Ideal grain structure without kinks, drift or surface folds.
- Savings in material costs compared to turning from solid.
- Improved quality over forging which requires multiple operations.
- Unskilled operators, upsetting cycle is fully automatic.
- Clean process without special installation and protection requirements.
- Open or anvil plate upsetting process produces a variety of shape for subsequent finishing in a press.
- Closed or die upsetting process produces a smooth cylindrical head with close tolerance suitable for further processing without machining.
- Easily automated for production
- Minimal plant requirements to install



Example Components

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