

FEATURED ALUM-A-LIFT SILICON CRYSTAL INGOT CLAMP AND ROTATE LIFTER

PROJECT 30637



MODEL A2500CSLRPD-90

FEATURING Dual Powered Clamp with Individual Clamp Force Logic, High Temperature Clamp Pads, Powered Trunion, Powered Lateral Shuttle, Traveling Limit Switch, Dual-Axis Inclinometer with Display, Steerable Powered Drive wheel with Fold-Up Handle

HANDLING 772 lb [350 kg] Silicon Crystal Ingots

DETAILS Silicon wafer manufacturing starts with the production of pure silicon crystal ingots. These ingots are grown in furnace with a narrow draw tower to control the rate of cooling. This lift was designed to handle $\varnothing 350\text{mm}$ crystals at 170°C and rotate them onto an inspection cart. During the growing process the ingot is supported by a small seed of silicon and requires precise vertical alignment of the clamps, therefore the dual-axis inclinometer was included.

