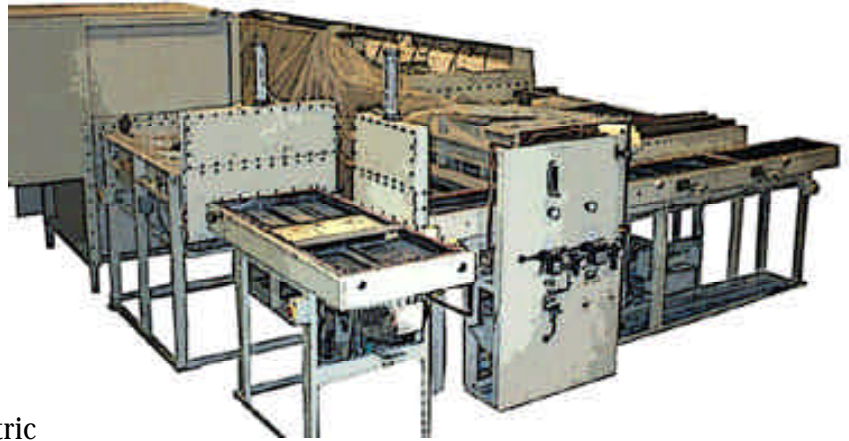


# ADVANCED TUNGSTEN REDUCTION SYSTEM

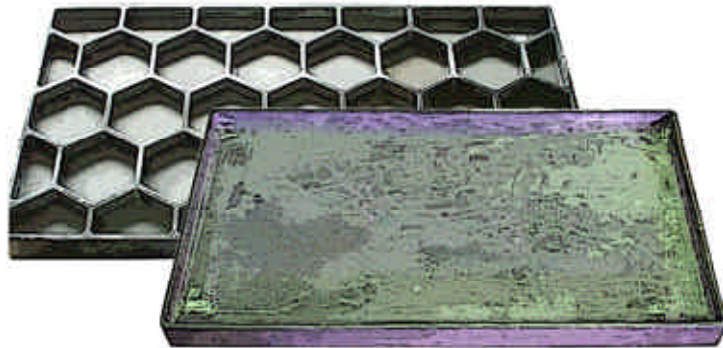
## Key Features

Revolutionary system concept facilitates high production rate in a single installation with the lowest cost of production and the greatest flexibility to alter material grain size and morphology.



## System Specifications

- Pusher-style system with single muffle, externally heated by natural gas or electric
- Maximum temperature: 1100°C.
- Production rate: up to 100 kg/hr (at maximum bed depth and velocity)



LOW MASS ALLOY TRAYS  
DIMENSIONS: 40 CM X 76 CM (16" X 30")

The technology is patent pending.

## Carrier Specifications

- Tray filling: 390 mm x 752 mm x 1-12 mm
- Pushing velocity: 527 cm/hr to 30 cm/hr (208 in./hr to 12 in./hr)
- Automatic tray filling  $\pm$  5% by weight precision, operator can select the weight
- Cast high temperature alloy material
- Exceptionally low mass design

## H<sub>2</sub> Gas System Specifications

- Double door tray and product entry and exit system to reduce gas losses
- System designed to allow gas dew point control at multiple locations inside the high temperature section
- Two inlets with electric preheaters and two vents inside heated section
- Hydrogen recycling system rated for 650 m<sup>3</sup>/hr, -65°C dew point

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ROTARY CALCINERS • MESH BELTS • VERTICAL TUBE CALCINERS • TUNNEL KILNS • BATCH KILNS • GRAPHITE FURNACES • NUCLEAR FUEL PROCESSING • CARBON FIBERS • FUEL CELL • ELECTRICAL COMPONENTS

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