



PHEENIX ALPHA

MAKING VINYL HAARLEM 2023



PHEENIX ALPHA

Scott Lamb
Senior Service Engineer at Pheenix Alpha





Pheenix Alpha History

- 1971 Toolex Alpha Started.
- 1974 Development of the AD12 Record Press starts.
- 1975 First AD12 record press was delivered.
- 1977 AD 7" Automatic EP developed.
- 1975-1986 Approx 1200 Machines were delivered.
- 1983 Toolex start to develop CD- injection moulding machines.
- 1984-2004 Toolex deliver Injection Moulding machines including designed moulds to CD, CD-R, DVD, DVD-R, Metilazer, Downstrem lines etc up to 2006, one of the largest supplier on the market.
- 2006 Pheenix Alpha acquires Toolex alpha and take over all 40 000 drawings on all Machines developed between 1969-2006.
- 2016 Pheenix deliver first 4 Machines "AD12" retrofit, New Control system with several improved functions and options



PHEENIX ALPHA

Pheenix Alpha History





PHEENIX ALPHA

Pheenix Alpha AD 12





Andreas Runsten COO at Pheenix Alpha





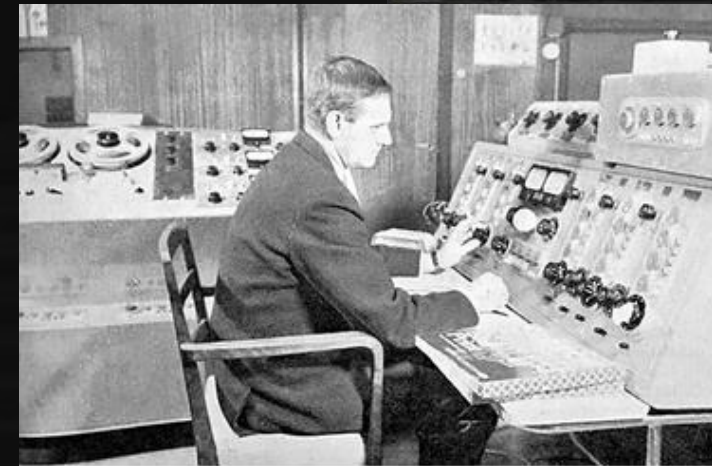
Pheenix Alpha create new History

Electroforming Equipment, Europa film 1957 to Pheenix Alpha 2023.

Bengt Runsten, the Pioner in Electroforming equipment and Sound Engineer at Europa Film Studios Sweden.



Galvano from Alpha Sweden designed 2002



Pheenix Alpha New Electroforming equipment

Pheenix Alpha Lounge Electroforming equipment!
 Silvering unit , Pre plating, Preparation bench for Passivation/cleaning and 2 Pos electroforming station



Pheenix Automatic Silvering Unit

PASU



Compact and Flexible Silvering Solution

Experience the utmost in efficiency and precision with our Silvering Unit, offering a compact design, adjustable rotation speeds, and four automatic nozzles for consistent silver application - all designed to streamline your electroforming process.

FEATURES

- Rigid design in stainless steel and polypropylene
- Adjustable rotation speed up to 120 RPM on the cleaning station
- Rotation speed 45 RPM on the silver spray unit
- Automatic spraying sequence with four nozzles

- Hand-controlled spray faucet
- Overspill collection
- Exhaust ready
- Silver unit can be positioned on either right or left side of the cleaning bench



Pheenix Pre-Plating Unit

PPPU



Efficient Pre-Plating with Advanced Control

Load up to four masters, each controllable individually, for high efficiency, and enjoy the user-friendly interface of the advanced PLC controller, complete with network connectivity and remote access.

FEATURES

- Rigid design in stainless steel, polypropylene, and titanium
- Titanium anode basket
- Plating vat exhaust function
- Adjustable flow
- Dual 20-inch filter housings

- Individual cathode movement for each position
- High output capacity
- Integrated dummy plating function
- PID-regulated temperature control
- PLC control system
- Network connection for remote access
- User friendly detachable HMI touch screen



Pheenix Modular Preparation Bench

PMPB



Streamlined and Responsible Stamper Production

Streamline your stamper production with our robust passivation, cleaning, and drying unit, designed to remove lacquer residues and preserve both 'father' and 'mother' stampers using environmentally friendly anodic passivation.

FEATURES

- Rigid design in stainless steel, polypropylene and titanium
- Integrated pump and filtration
- Exhaust ready
- Integrated temperature control

- Anodic passivation and cathodic cleaning for both nickel and DMM
- Zink with foot-controlled spray faucet
- Adjustable rotation speed up to 120 RPM
- Overspill collection
- Storage shelf



Pheenix Dual Plating Unit

PDPU



Superior Stamper Uniformity

Experience advanced large-scale plating with our dual-position plating unit. Each position comes with its own rotating cathode shaft and digitally controlled rectifier, while the PLC controller offers user-friendly operation and seamless Industry 4.0 integration.

FEATURES

- Rigid design in stainless steel, polypropylene and titanium
- Titanium anode basket
- Plating vat exhaust function
- Adjustable anode-to-cathode distance
- Dual 20-inch filter housings
- PLC controlled

- Network connection for remote access
- User-friendly touch HMI with programmable speed dial buttons.

OPTIONS

- Flow meter
- Automatic lid opening
- Selective cleaning.



PHEENIX ALPHA

THANK YOU !!





PHEENIX ALPHA

Pheenix Alpha AD 12



PHEENIX ALPHA AD12 - Fully Automatic Vinyl Press - the Original



564 x 54