

# Linear Transfer System

Several chambers in order to create an expandable machine for in-situ preparation, analysis, storage and growth of layers



## *Highlights*

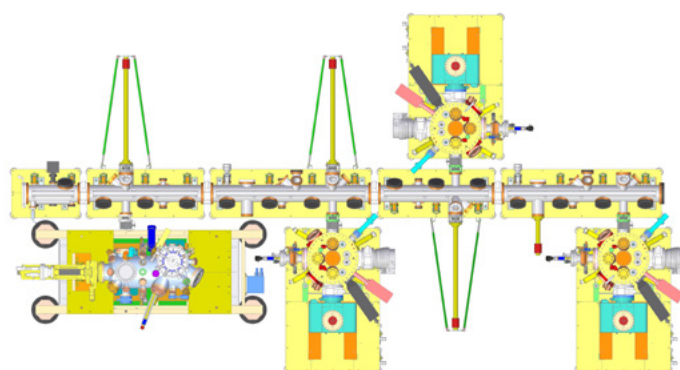
- Linear transfer chamber and load-lock chamber
- Combination of different kinds of in-situ analysis, growth and preparation methods
- Linearly extensible in all directions
- Fully UHV compatible down to  $10^{-11}$  bar
- Adjustment from the airside
- Mechanically or magnetically activated transfer mechanism
- Customized design for existing systems

The Linear Transfer is a system to combine several UHV and chambers in order to create a flexible and extensible instrumentation for in-situ preparations, analysis, storage and growth of layers without removing the wafers from the UHV during different processing steps.






## Options

- System ports according to requirements
- Transfer motorization and automation
- Heating station in the transfer module for sample preparation
- Mechanical transfer mechanisms
- Magnetic transfer mechanisms

TYPE	TR
CONCEPT	stainless steel tube
CHAMBER SIZE	160 CF
TRANSFER	trolley on adjustable rail transfer rod
SAMPLE SIZE	as specified
BAKE-OUT TEMPERATURE	200 °C
PUMPING	ion pump in transfer chamber TMP in load-lock chamber or as specified
FRAME	solid, from stainless steel



## Equipment for Linear Transfer System

-  Trolley with sample storage
-  Heating lamp in load-lock chamber
-  Glove box
-  Transfer rod
-  Tools for additional sample and mask manipulation



### cVac | Control Software



The CreaTec Control Software is a software package for control, monitoring and automation of MBE and UHV systems.