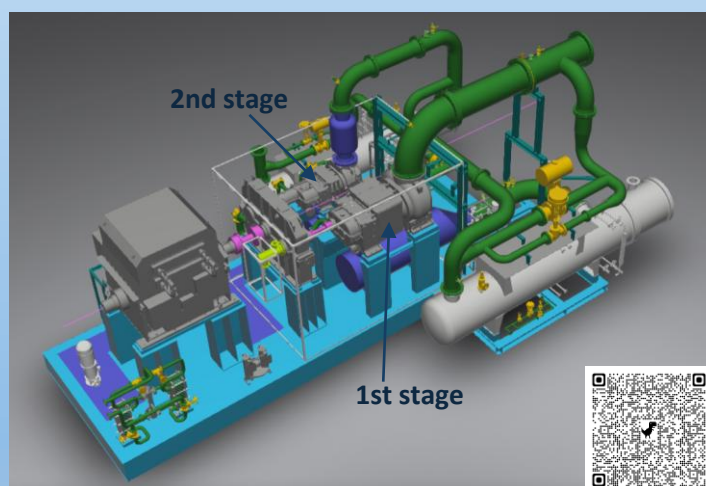
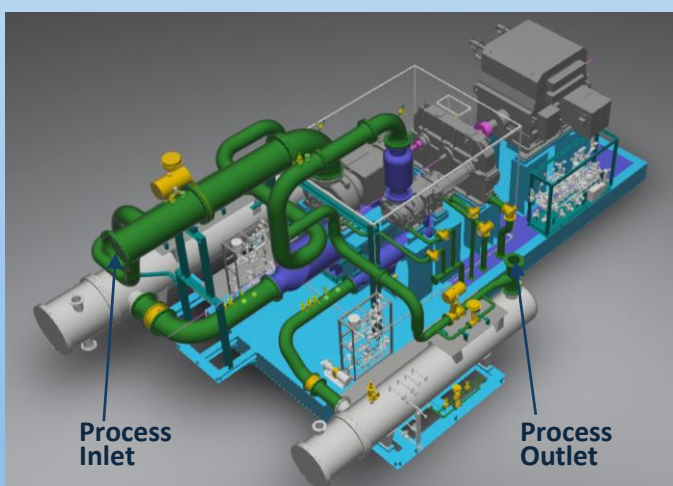
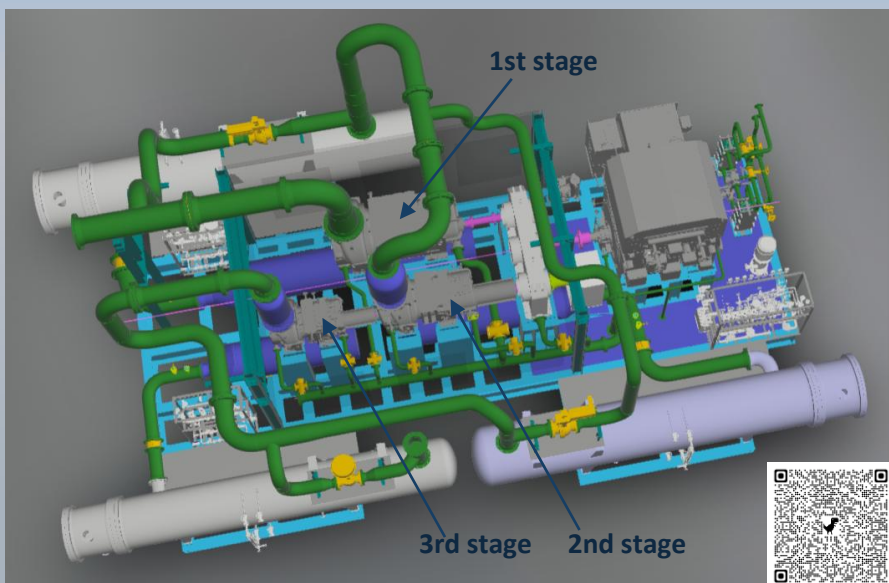


Screw HyDryModule (HDM)

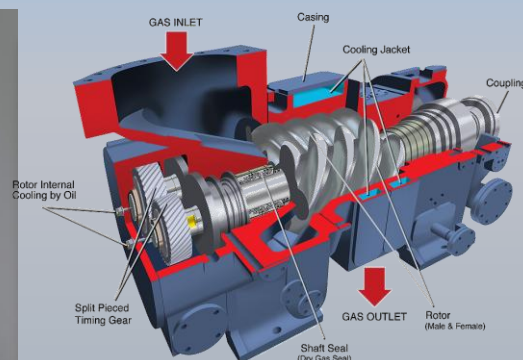
DRY (OIL-FREE) SCREW COMPRESSOR
STANDARDIZED COMPRESSOR PACKAGE LINEUP
WITH FULL PROCESS SYSTEM MODULE
DESIGNED FOR ELECTROLYZER HYDROGEN SERVICE



Two Stage Dry Screw HDM



Three Stage Dry Screw HDM



Dry Screw Compressor Cutaway

CONTACT: KOBELCO EUROPE GmbH
Luitpoldstr.3 80335 Munich, Germany
compressor.eu@kobelco.com

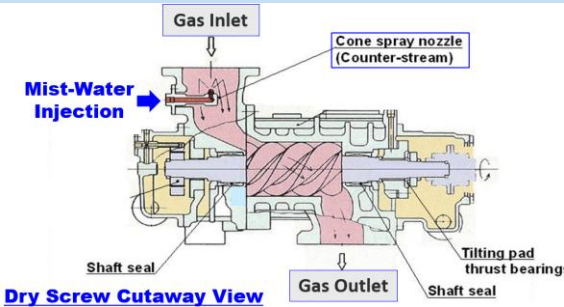
Outline of **HDM**
Dry Screw Full Process Module

Two or multi-stage Dry screw compressor on packaged skid with full process system including combined gas cooler & drain separator vessels and all interconnected process lines and recycle valves including auxiliary system of lube oil and compressor shaft sealing.

- **Plug & Play Design**
Tie-in connection of purchaser process piping are only at first stage inlet and final stage outlet.
- **Ease of Site Construction**
All the components are completely assembled in the packaging factory prior to the shipment. The vessels and interconnecting piping are partially dismantled prior to the shipment for the ease of transportation, and all components are re-assembled at the site.

Fine Mist Water Injection
into Dry Screw

- Gain Speed Range and Compression Ratio by Discharge Temp Reduction
- Improve Efficiency and Shaft Power
- Rapid Vaporization and No Erosion



Standard Line-up Chart of **HDM** <2 Stage>

HDM #	Electrolyzer Capacity	H2 Mass Flow kg/hr-dry	Screw Comp Model	
HDM-1000	1 GW	20000 kg/hr	KS80-80	
HDM-600	600 MW	13300 kg/hr	KS80-63	
HDM-300	300 MW	6600 kg/hr	KS80-50	
HDM-150	150 MW	3300 kg/hr	KS63-40	
HDM-100	100 MW	2000 kg/hr	KS50-31	
HDM-50	50 MW	1000 kg/hr	KS40-25	

Inlet: Atm & H2+H2O Sat. to Outlet: 6~18bar

Standard Line-up Chart of **HDM** <3 Stage +>

HDM #	Electrolyzer Capacity	H2 Mass Flow kg/hr-dry	Screw Comp Model	
HDM-1000	1 GW	20000 kg/hr	KS80-80+63-50	
HDM-600	600 MW	13300 kg/hr	KS80-63-50	
HDM-300	300 MW	6600 kg/hr	KS80-50-40	
HDM-150	150 MW	3300 kg/hr	KS63-40-31	
HDM-100	100 MW	2000 kg/hr	KS50-31-25	
HDM-50	50 MW	1000 kg/hr	KS40-25-20	

Inlet: Atm & H2+H2O Sat. to Outlet: 30bar