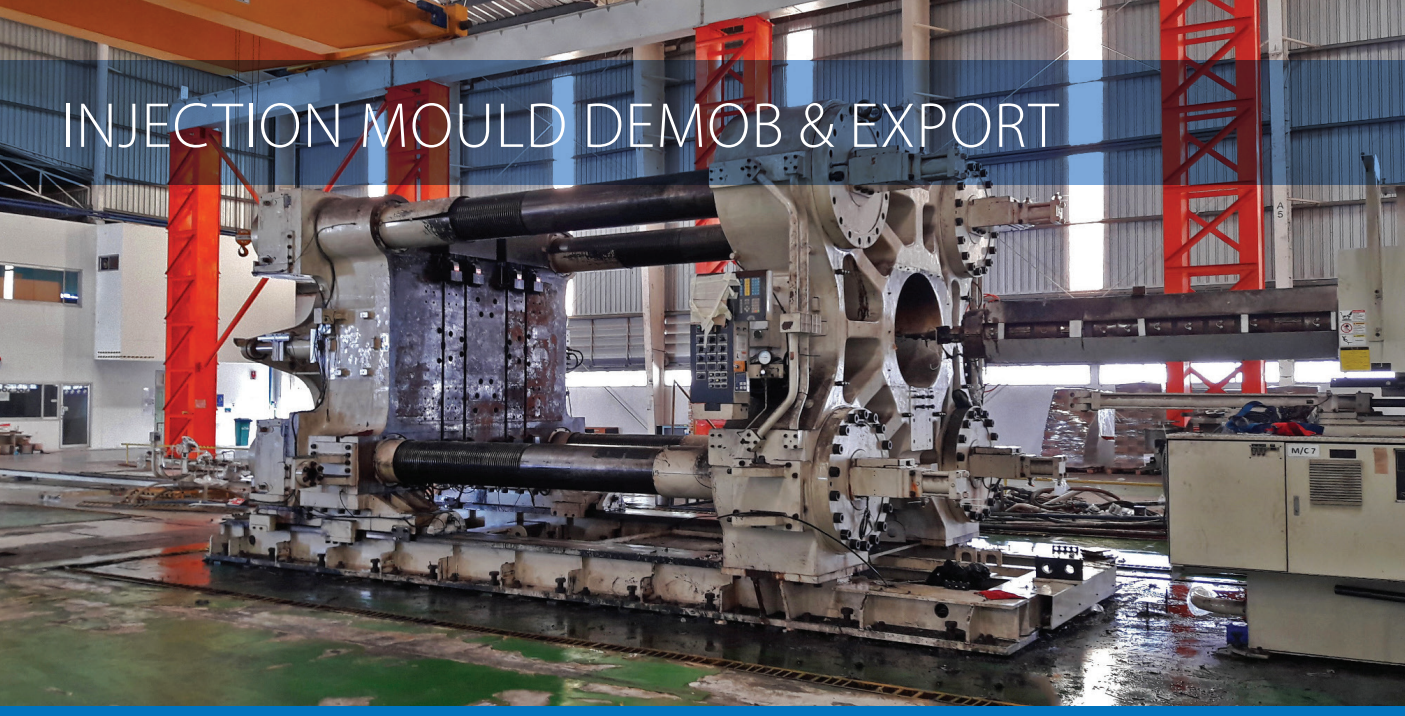


INJECTION MOULD DEMOB & EXPORT



Locations

Chonburi, Thailand.
Pahang, Malaysia.

Duration

7 Days

Cargo

Die head 46 Tonne
Platen 42 Tonne

Equipment Used

Mobile crane 120 Tonne
Mobile crane 50 Tonne
Telehandler
Forklift
Flat rack x2
40' Hard top container x2
40' Open top container
MAFI trailer

Services Used

Project Manager
Project Engineer
Special Projects Team

SCOPE

CEA Project Logistics Thailand was contracted for the demobilisation and export to Malaysia of a High Pressure Plastic Injection Moulding Machine weighing over 150 Tonnes.

Working alongside Mitsubishi technicians (the original machine supplier) CEA initially disconnected all the hydraulic interfaces between the machine and fixed supply, in addition, all high and low voltage electrical connections were disconnected.



42 TONNE PLATEN WITH EJECTOR BEING LIFTED BY 120 TONNE CEA MOBILE CRANE

After disassembling all interlocked gates and fencing, the hydraulic power packs were removed and packed into temporary supports. The access platforms and plastic supply hopper was removed next. A Sepro robotic arm assistor used for the omnium unloading required some expert rigging to ensure it was fully balanced before being dismantled. The injector unit was removed and loaded directly onto a low bed trailer for immediate load-out out to the CEA facility for packing.



CARGO SHRINK-WRAPPED AT CEA FACILITY



CARGO SECURED ON FLAT RACK

The heavier components, 46 tonne die head and the rear platen with ejector unit at 42 tonnes were the final components to be dismantled. The tie-rod cap plates were removed first and then by use of the mobiles cranes the teams proceeded to slide out the four 6 Tonne tie-rods that connect the die head and platen, each of these were immediately loaded onto wooden supports and treated for rust protection.



CONTAINER STUFFING



WOODEN CHOCKS BEING INSTALLED

Using special jig and tools specifically produced for this demobilisation, the CEA special projects team lifted both the die head and then the platen by means of top and tailing cranes. Both the die head and platen were moved into a horizontal position and loaded directly onto low bed trailers. They were then transported to the CEA facility for packing onto MAFI trailers in preparation for break-bulk load out. Other auxiliary parts and equipment were packed, stuffed and secured in several 40' containers ready for shipping.



SEPRO ROBOT ARM ASSISTOR REMOVAL



46 TONNE DIE HEAD LAY-DOWN



TIE-RODS IN STORAGE AT CEA FACILITY



SEPRO ROBOT ARM LOADED INTO 40FT HC

CEA PROJECT LOGISTICS
 4/222 MOO 10, HARBOR MALL
 12TH FLOOR - SUITE 12D01
 SRI RACHA
 CHONBURI 20230
 THAILAND
 +66 38 354 019
 www.ceaprojects.com