mid Moulding Innovation Day 2026

Integrazione macchina

MOldex3D/Fanuc/OMV

Moldex3D

Moldex3D
MOLDING INNOVATION

FANUC

omv

mid Moulding Innovation Day 2026

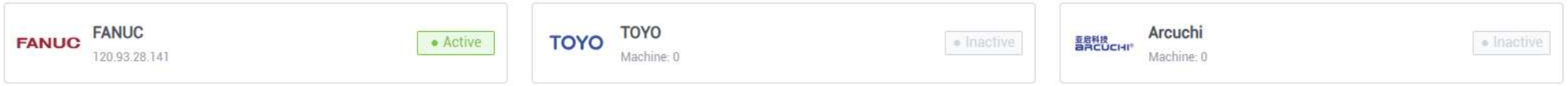
In Moldex3D è possibile trasferire i dati di progetto della simulazione in 3 modi:

1- creazione presentazione **REPORT**

2- creazione **PROCESS SHEET** in excel

3- trasferimento diretto dati verso la **PRESSA**

FANUC – ENGEL – SUMITOMO – TOYO - ARCUCHI



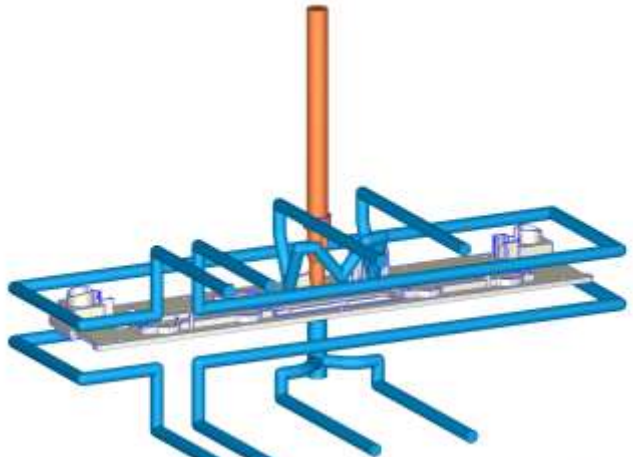
Con ogni produttore è stato definito un protocollo specifico:

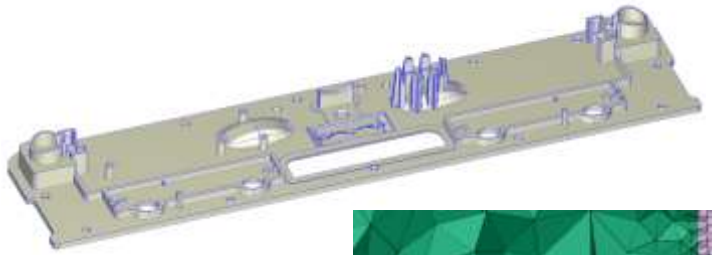
Creazione file specifici CSV nel formato di lettura della macchina

Interazione con portale specifico Produttore presse

Utilizzo protocollo mediante iSLM per trasmissione dati

Eseguita simulazione in Moldex3D





Setting method : CAE mode

In this mode, process parameters are not derived from the molding machine informations. You may freely specify process conditions for simulation.

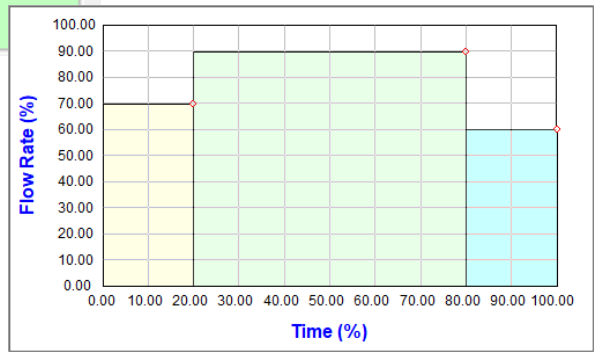
Process File : Fanuc PLAST_Run6_1_1.pro

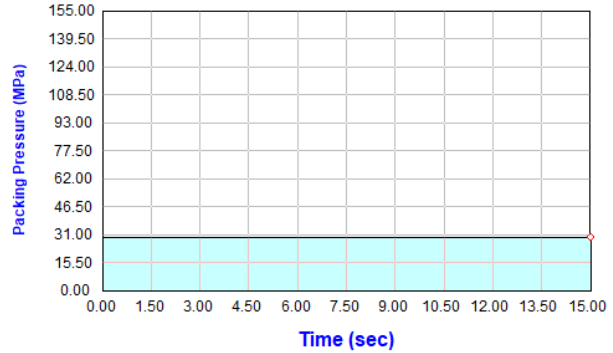
Mesh File : model_Run2.mfe

Material File : PA6_ALTECHPA6A3030109GB30_0.1.mtr

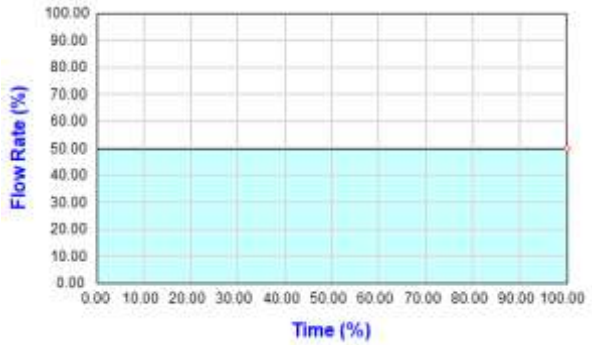
Maximum injection pressure	155	MPa
Maximum packing pressure	155	MPa

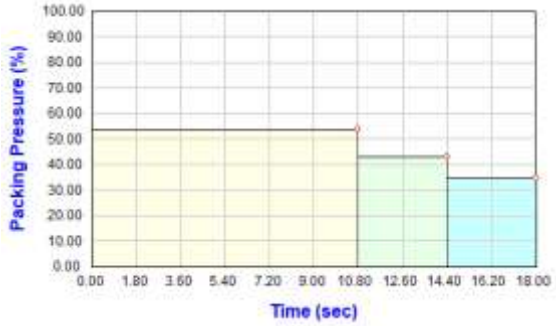
[Filling]	
Filling time (sec)	2.5
Melt Temperature (oC)	280
Mold Temperature (oC)	85
Maximum injection pressure (MP...	155
Injection Volume (cm^3)	170.448
[Packing]	
Packing time (sec)	15
Maximum packing pressure (MPa)	155
[Cooling]	
Cooling Time (sec)	15
Mold-Open Time (sec)	10
Eject Temperature (oC)	179
Air Temperature (oC)	25
[Miscellaneous]	
Cycle time (sec)	42.5



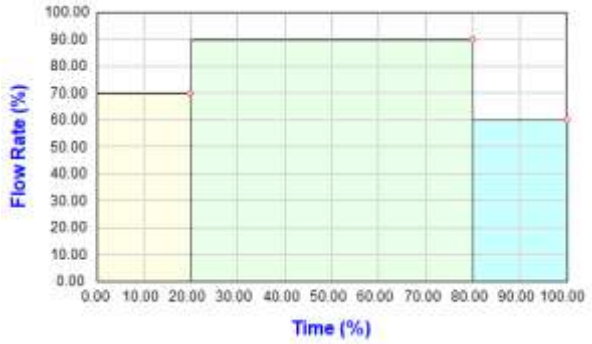


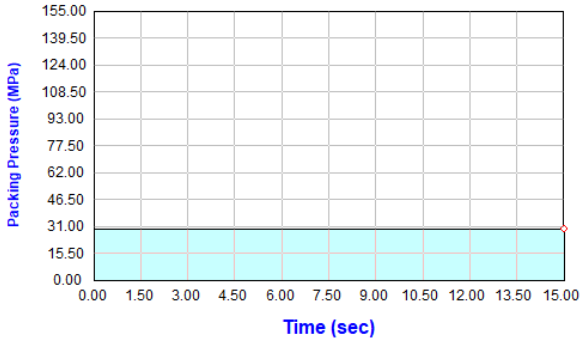
Ottimizzazione parametri di stampaggio in Moldex3D



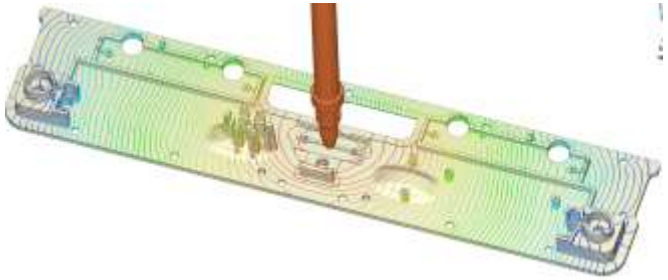


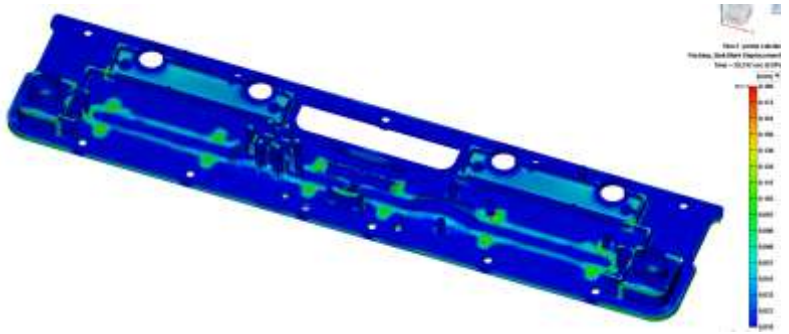
Process Condition	
Time	sec
Filling	2.280
Packing	16.000
Cooling	30.000
Mold Open	5.000
Cycle	55.280
Temperature	°C
Melt	260.000
Mold	85.000
Ejection	174.000
Air	25.000



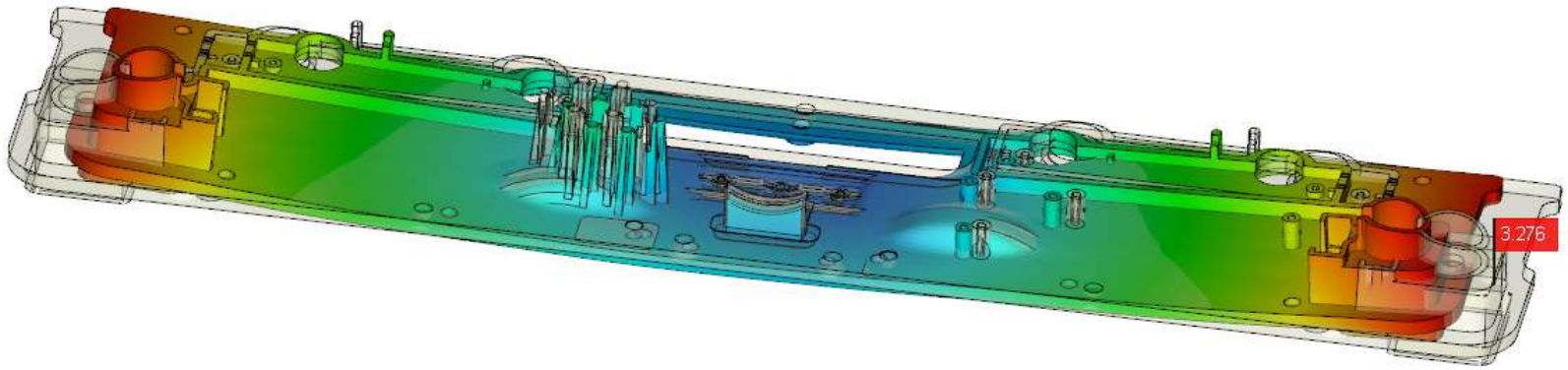


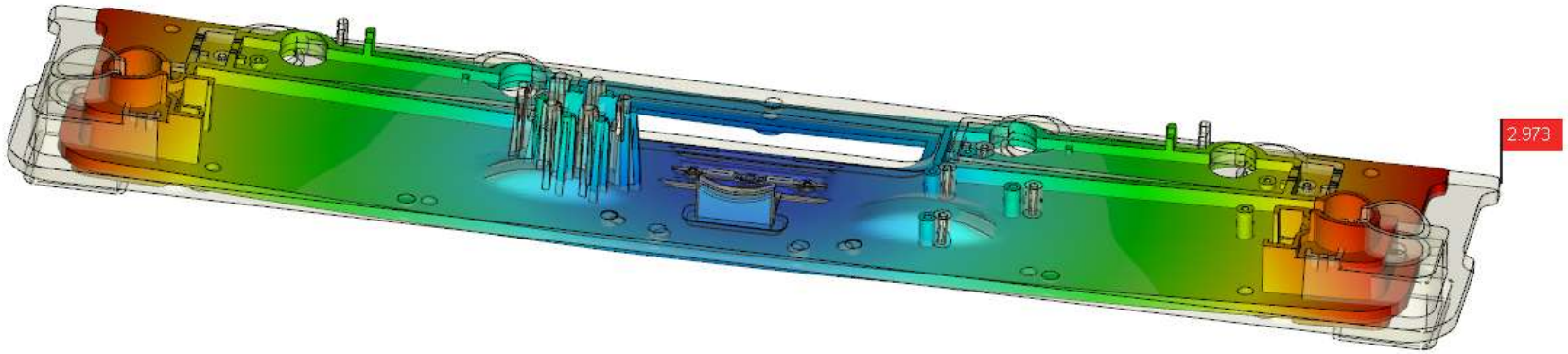
Process Condition	
Time	sec
Filling	2.560
Packing	15.000
Cooling	15.000
Mold Open	10.000
Cycle	42.560
Temperature	°C
Melt	280.000
Mold	85.000
Ejection	179.000
Air	25.000



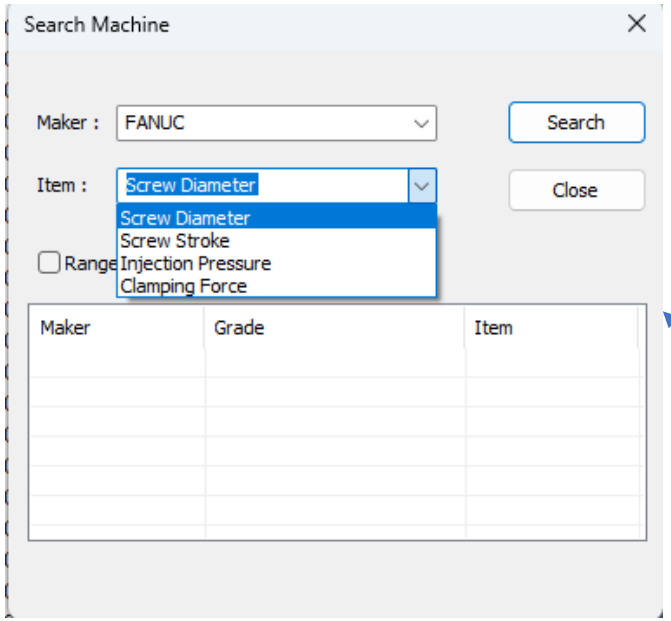


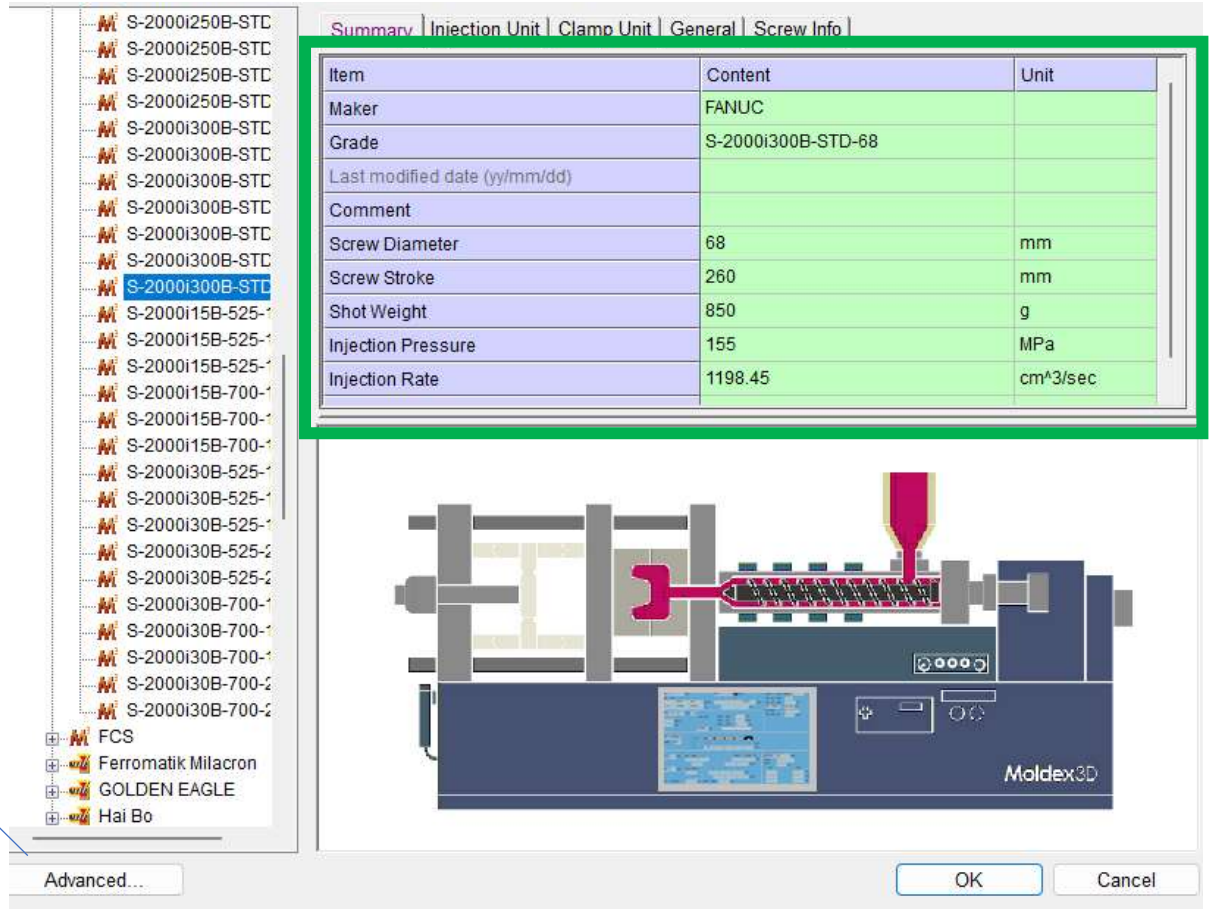
Ottimizzazione parametri di stampaggio in Moldex3D



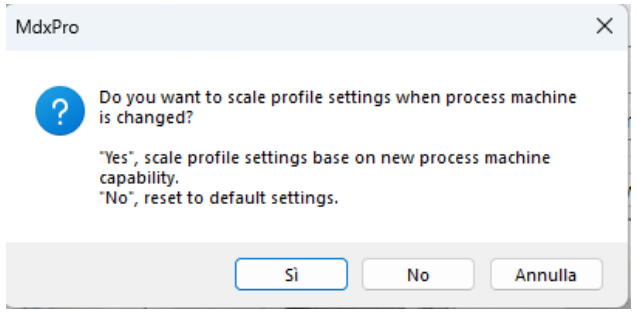


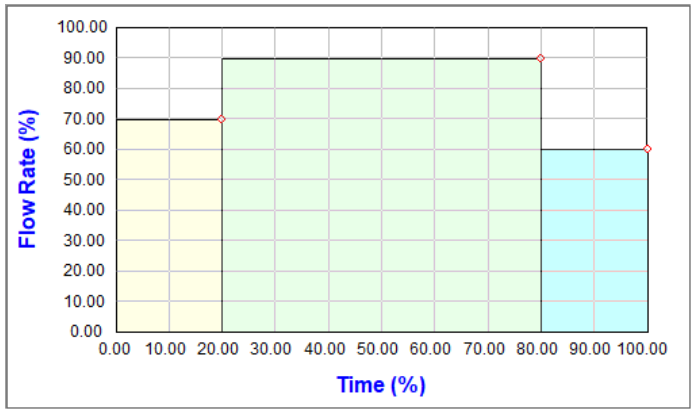
Passaggio da Modalità CAE a Modalità MACCHINA

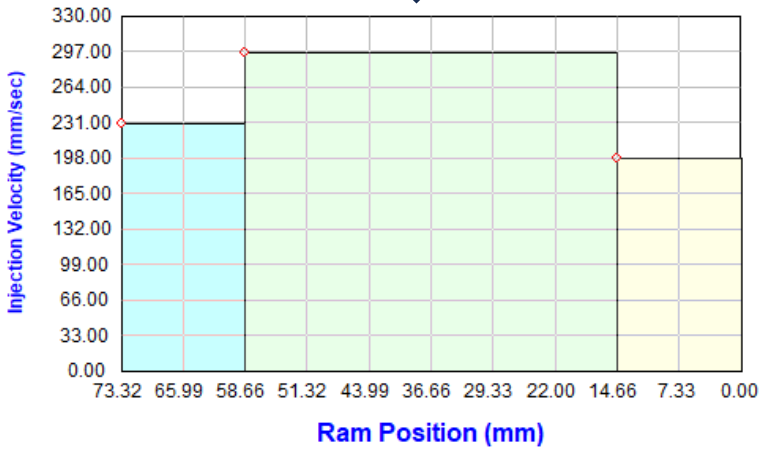


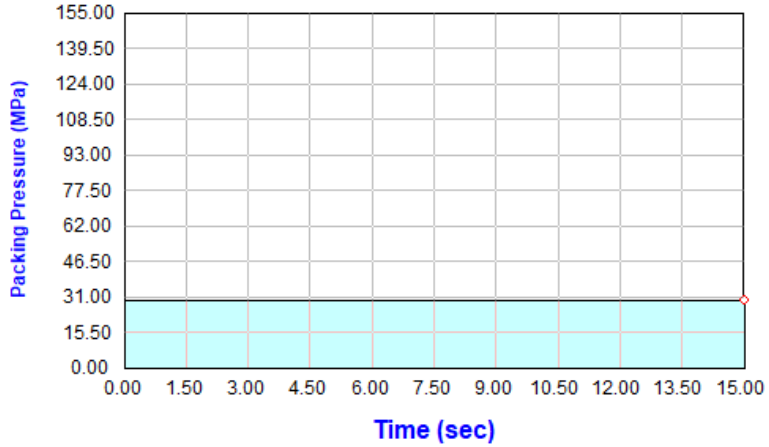


Passaggio da Modalità CAE a Modalità MACCHINA

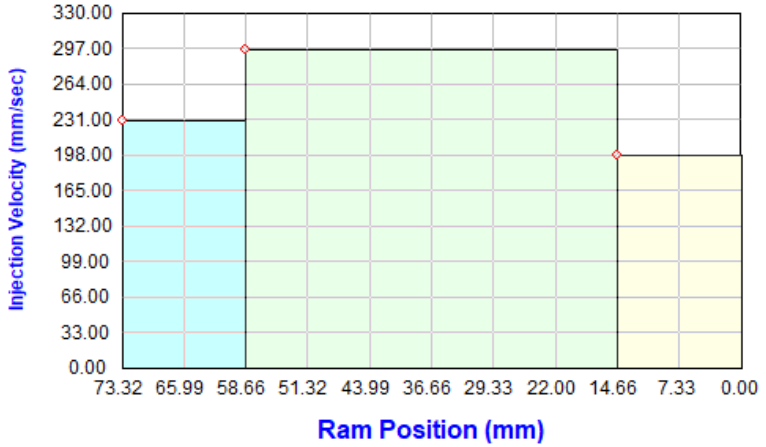


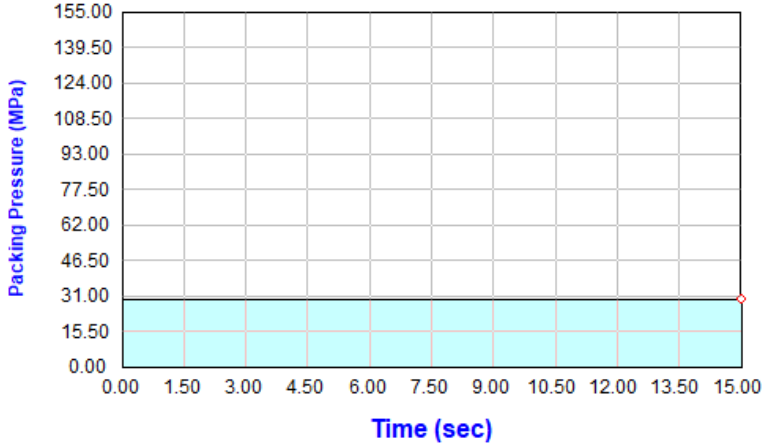


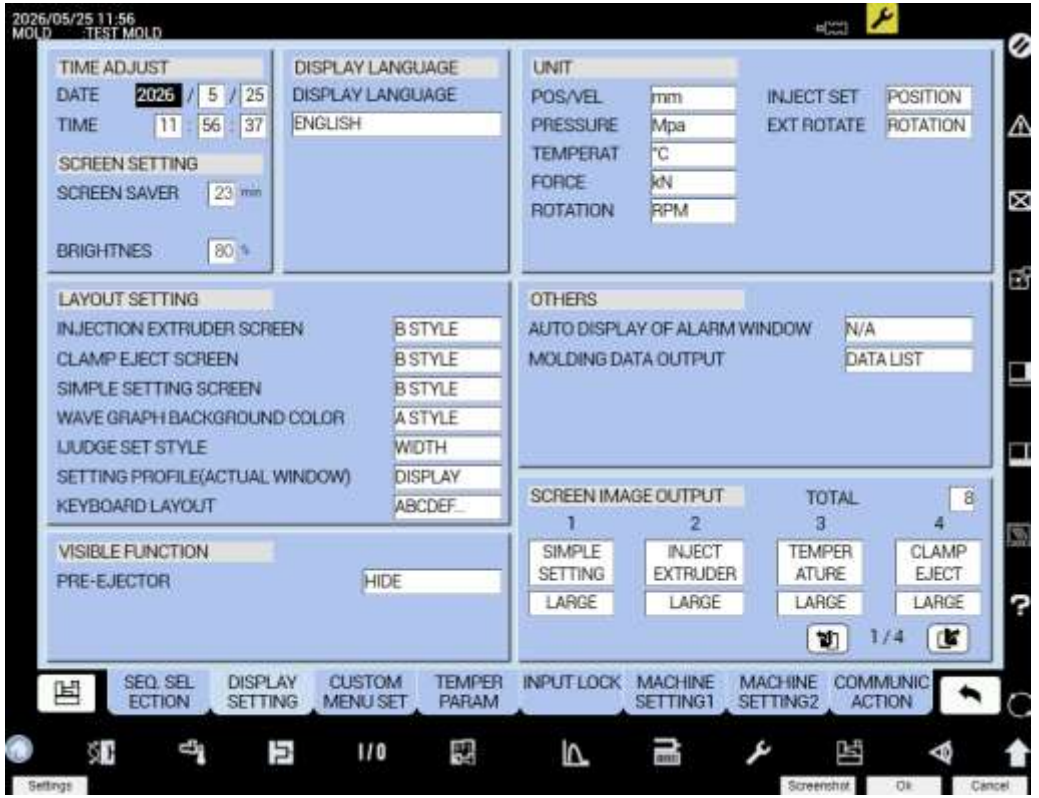




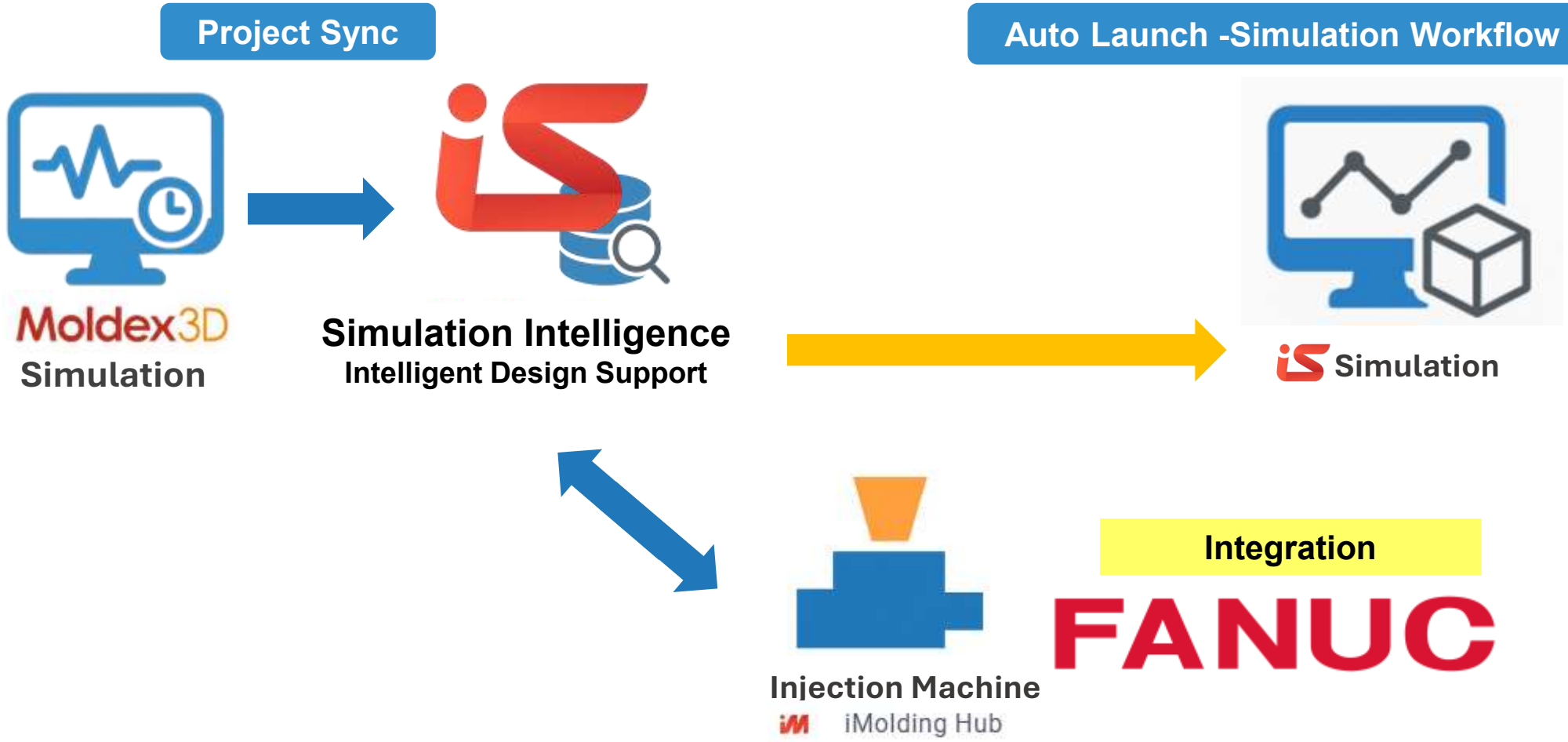
Interfaccia Macchina ROBOSHOOT







E ora che ho la simulazione fatta e ottimizzata?



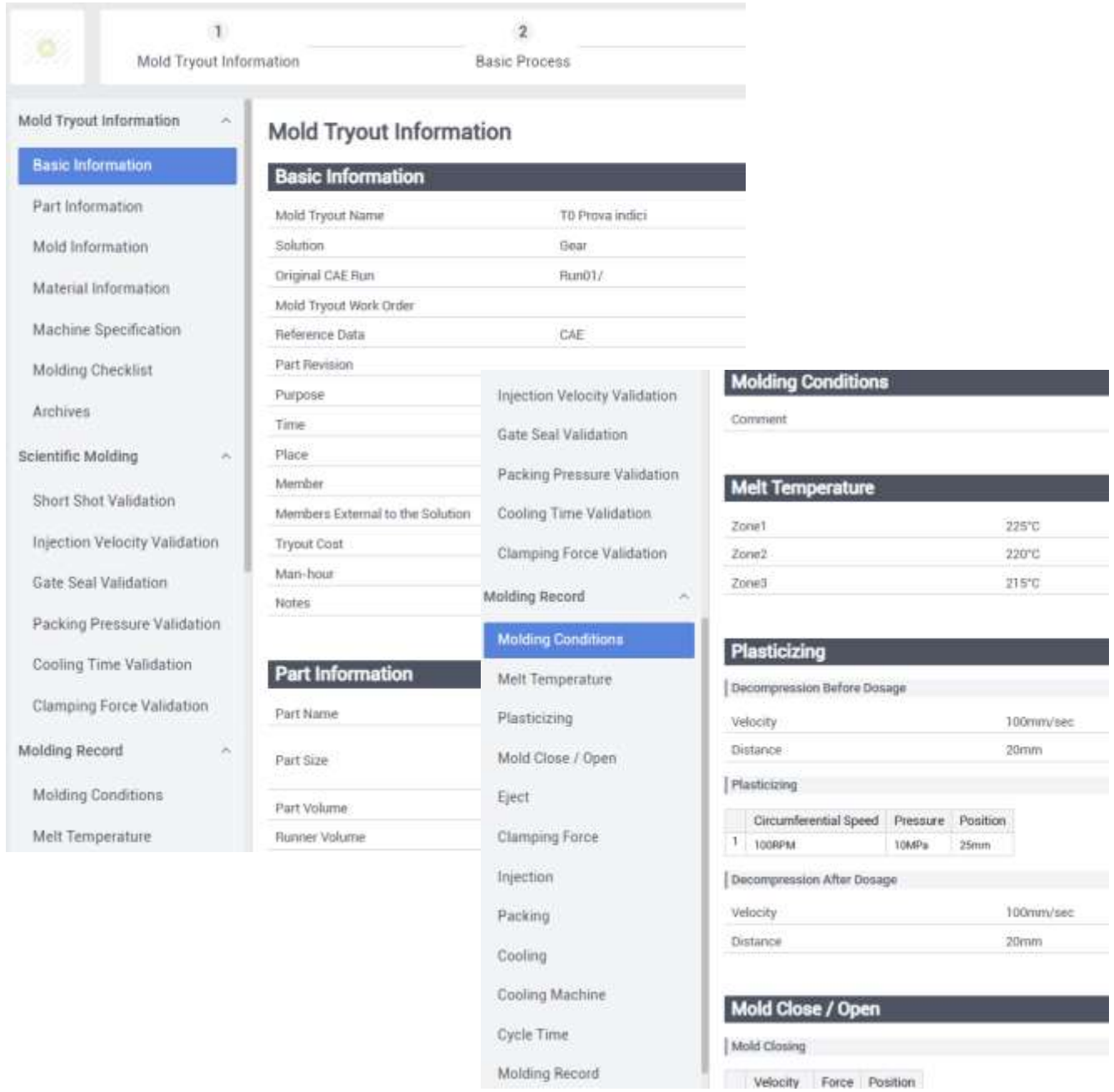
In iSLM…

Posso caricare i progetti studiati con Moldex3D

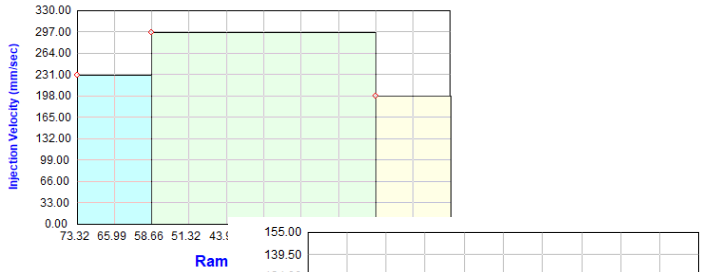
Imposto un Mold Tryout prendendo i dati dall'analisi CAE

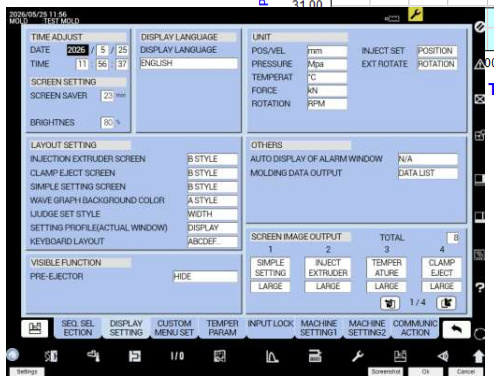
Trasferisco i dati alla macchina

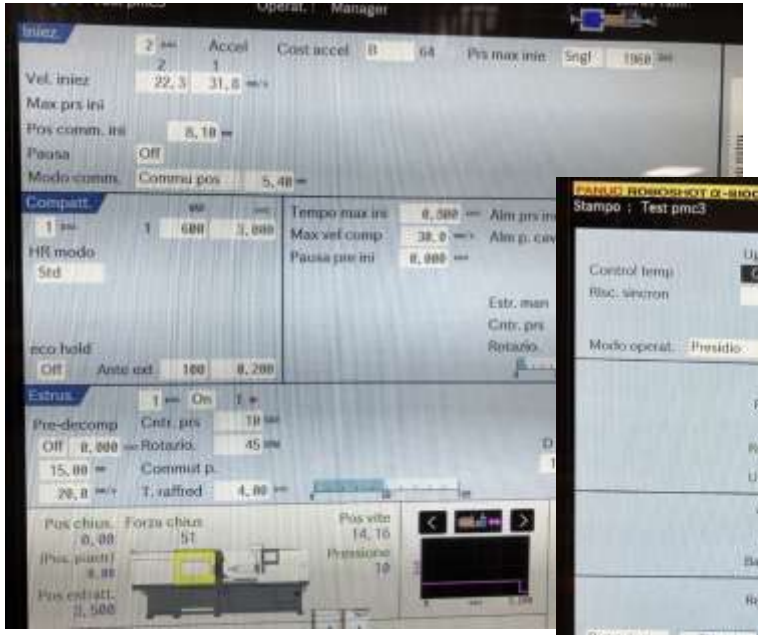
Registro i risultati della prova stampo



Impostazione in macchina e fine tuning







Thank you