

A DREAM
ROTOMOULDING
MACHINE
NO MORE LIMITS

*40TH ANNIVERSARY FALL MEETING
NEW ORLEANS 2016*

493K IS BUILDING A
NEW CONCEPT OF
ROTOMACHINES AS PART
OF AN INTERNATIONAL
PROJECT



Taking Control of Rotational Moulding





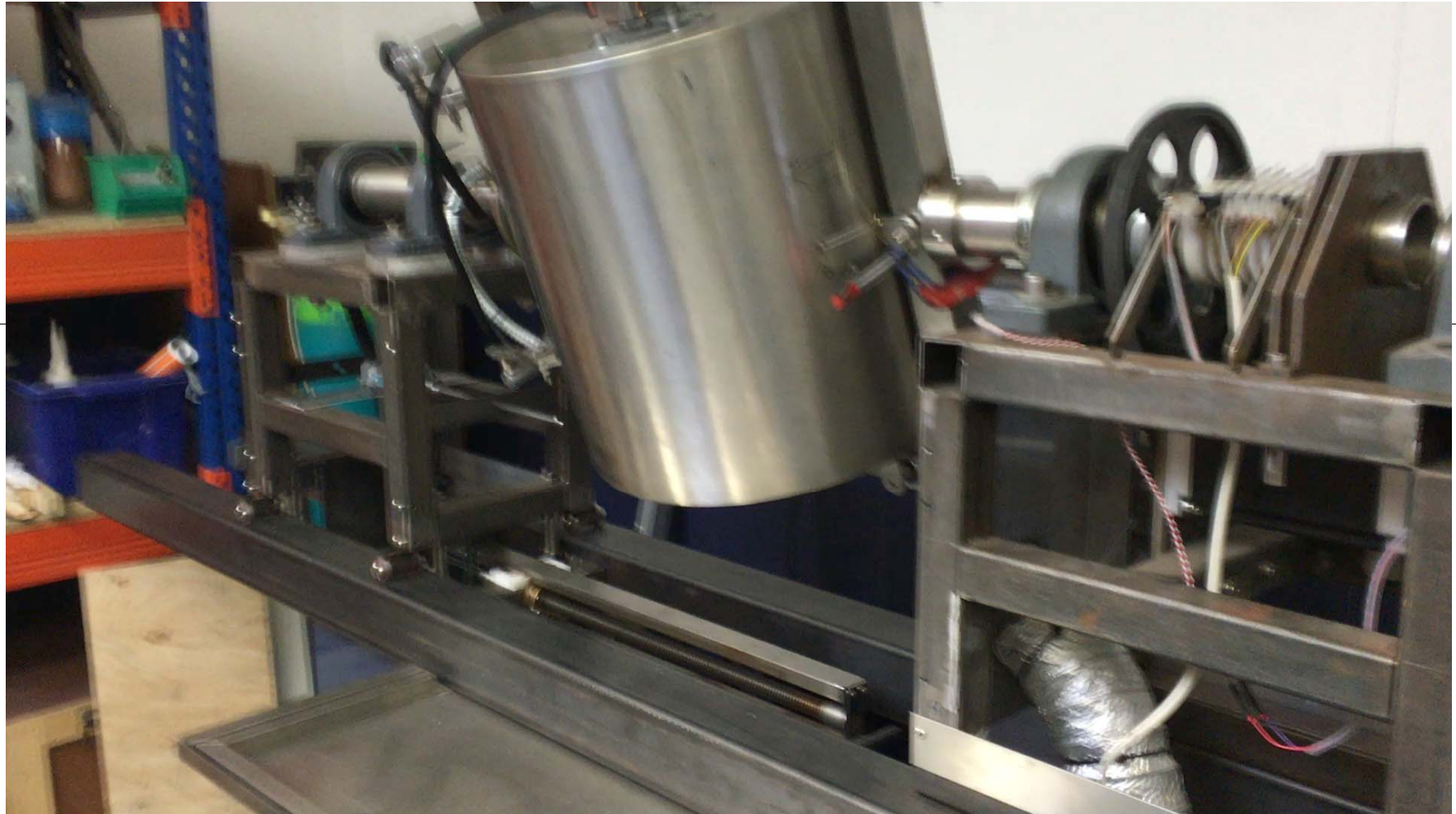
Full time &
permanent
process cont



3m
(9')



K-KREATOR Lab Machine Concept



"Rapid cycling, mould temperature controlling, multi polymer layering, ambient temperature compensating, internal mould cooling, engineering polymer processing, minimum energy consuming new generation revolving moulding machine - it's not just Rotomoulding anymore."



More of this....





ROTOMOULDING PROCESS OF TODAY

Lack of materials

Mainly single layers

Lack of process control

Lack of automation

Lack of efficiency



ROTOMOULDING PROCESS OF TODAY

Easy processing

Low entrance investment

Oh...Easy for anyone to do it

...and there are others coming
too...

ROTOMOULDING PROCESS OF TODAY

B**w Moulding

Tefzel Fluoropolymer

15 bar

OK



A photograph showing a cross-section of a multilayered material, possibly a composite or a food item like a sandwich, resting on a spiral-bound notebook. The material has a thick yellow core and thin green and white layers on the outside. A blue and white pen with the text 'www.gala-europe.de' is placed next to it for scale. The text 'Multilayers with micropellets' is overlaid in yellow.

Multilayers with
micropellets



Dr Nick Henwood
ARM's Technical Director



Dimensional control

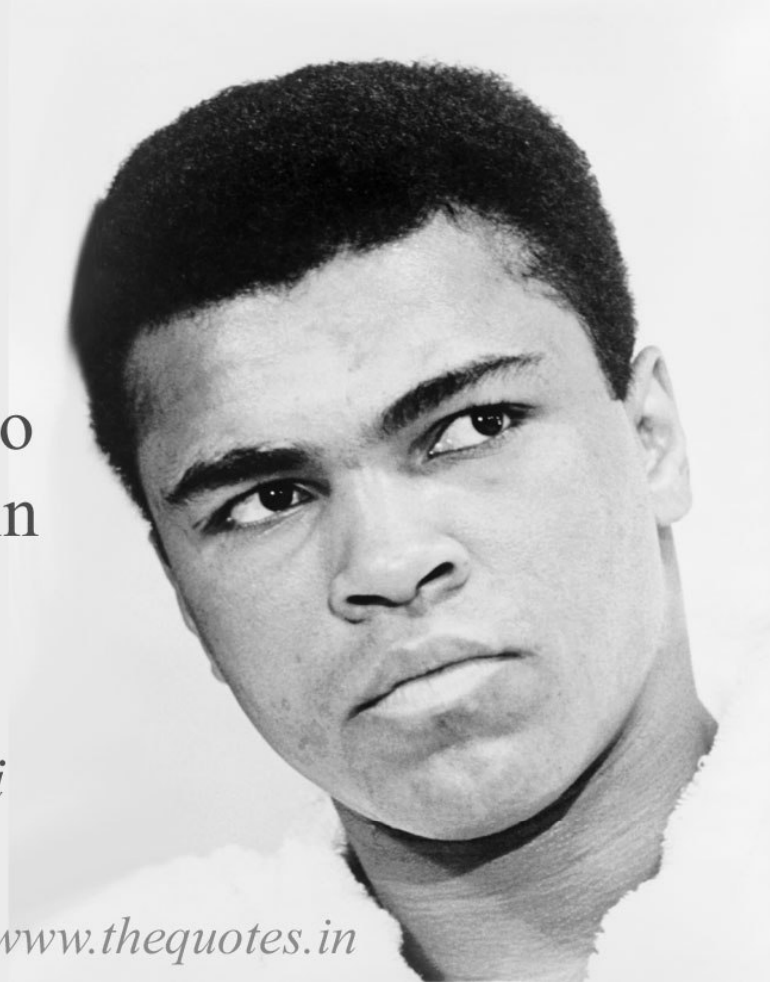
Image courtesy of Norstar



He who is not courageous enough to
take risks will accomplish nothing in
life.

Muhammad Ali

www.thequotes.in



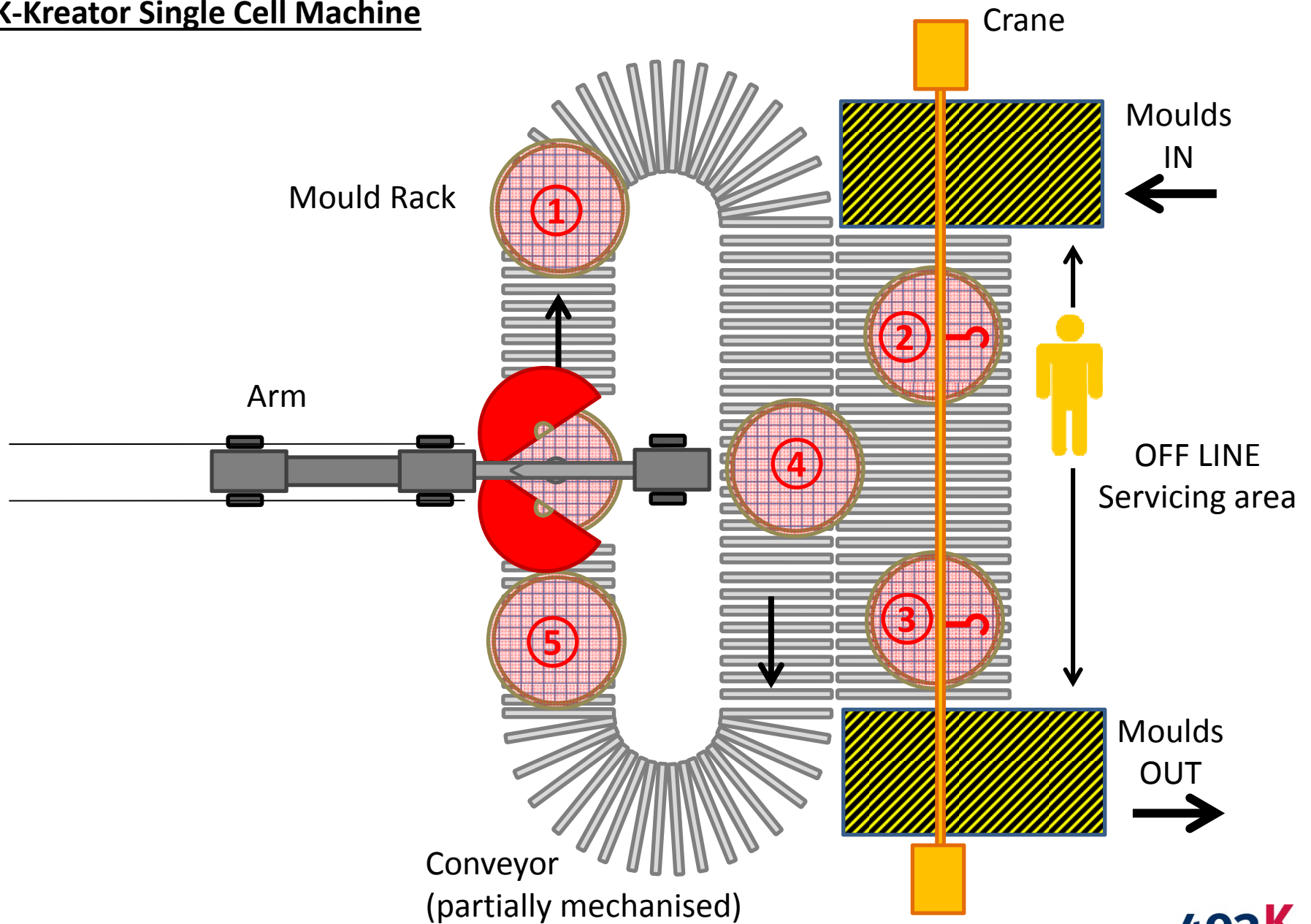
493K

Taking Control of Rotational Moulding

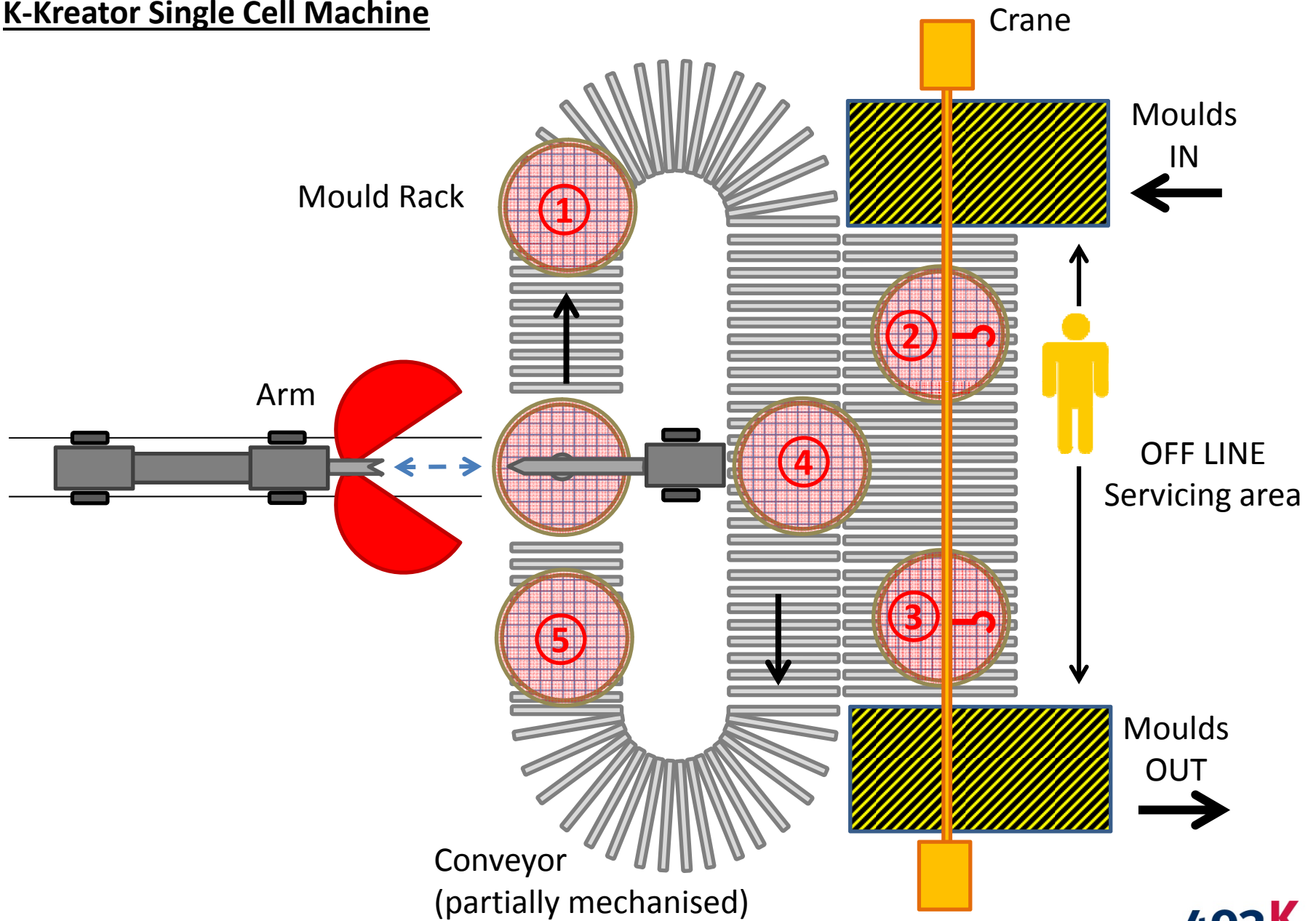
UNHINDERED ACCESS
TO LEGACY TOOLING
THROUGH THE ROTARY JOINTS
WITHOUT RESTRICTION
IN THEIR SIZE BY ARMS
OR IN THEIR OPERATION BY HIGH
TEMPERATURES.

"Rapid cycling, mould temperature controlling, multi polymer layering, ambient temperature compensating, internal mould cooling, engineering polymer processing, minimum energy consuming new generation revolving moulding machine - it's not just Rotomoulding anymore."

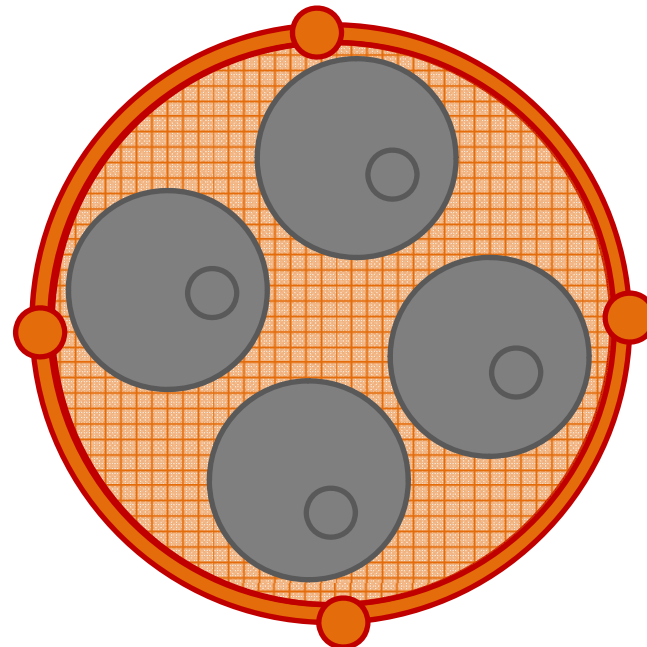
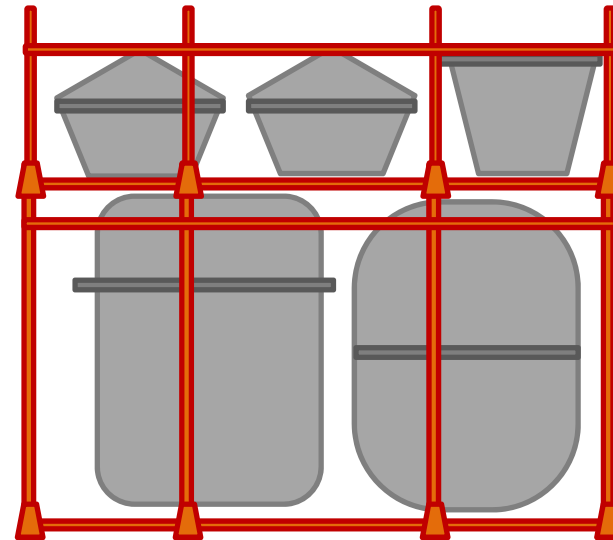
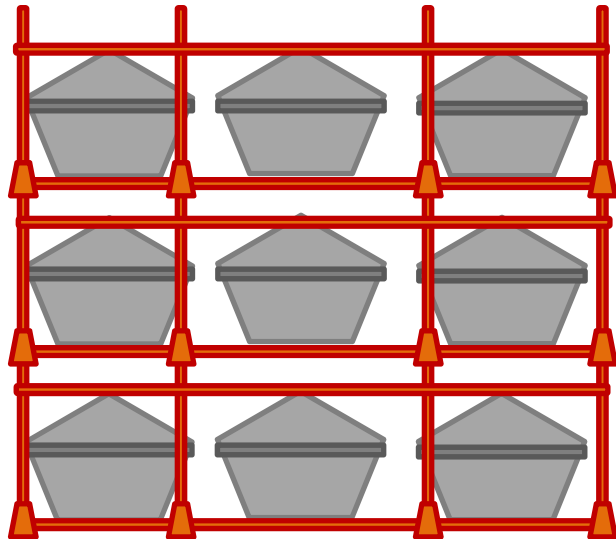
K-Kreator Single Cell Machine



K-Kreator Single Cell Machine



- High mould density in oven
- Easy rack mounting
- Moulds mounted off-line
- Multiple low cost 'arms'
- Off-line problem solving



Thank you
gareth.mcdowell@493k.com

Come and see my uni-axial machine next door