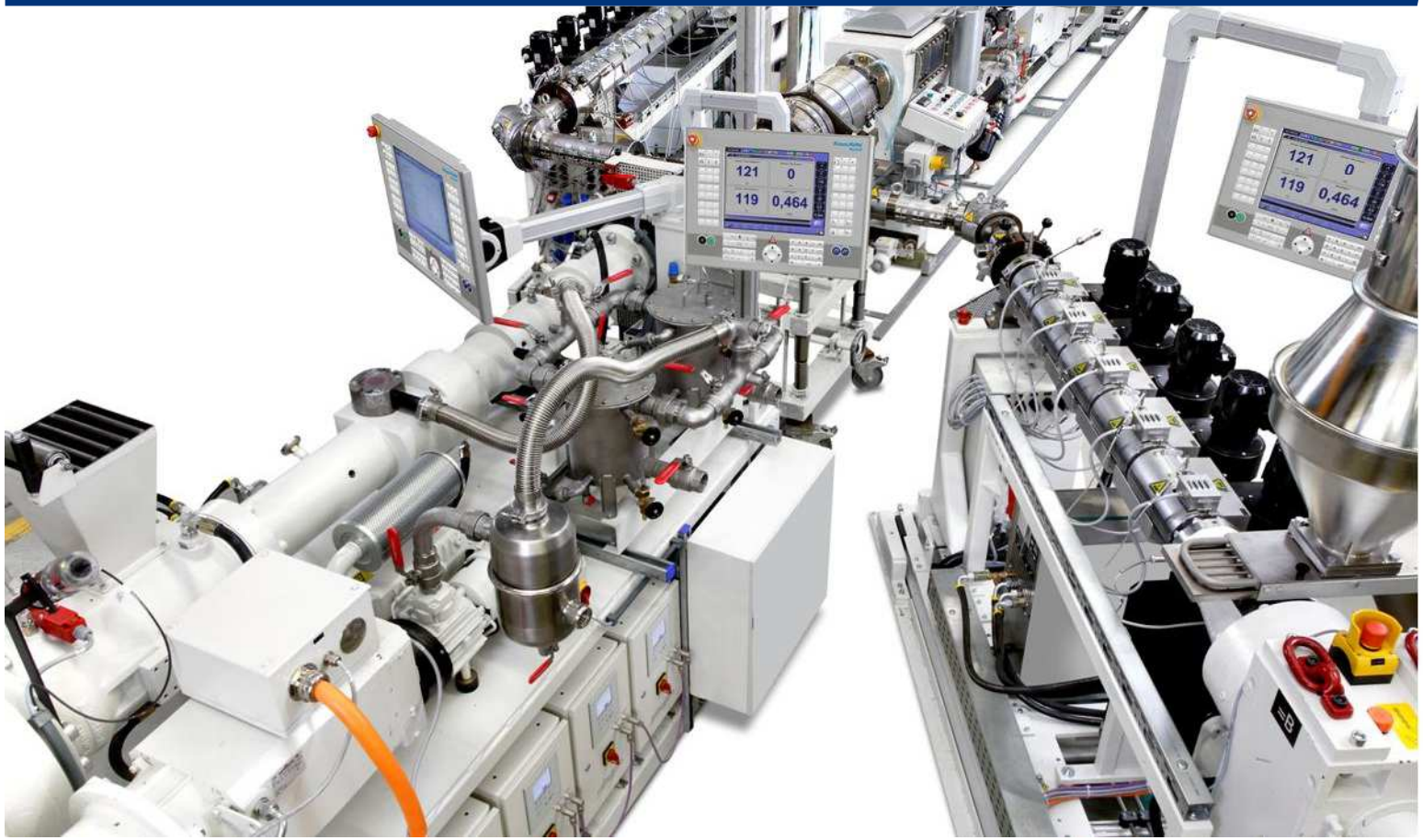
KraussMaffei Berstorff

Engineering Value

Plastic processing machinery – being prepared for the future

Christian Birzer – Area Manager Asia/Pacific KMB Extrusion



Agenda - being prepared for the future

the plastic people – who we are and what we do

Pipe – increasing the speed limit

Pelletizing – increasing the production density & flexibility

Sheet– narrowing the limits

Industry 4.0 - the soft side

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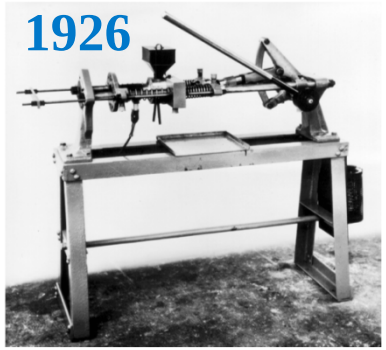
Roots of Krauss-Maffei

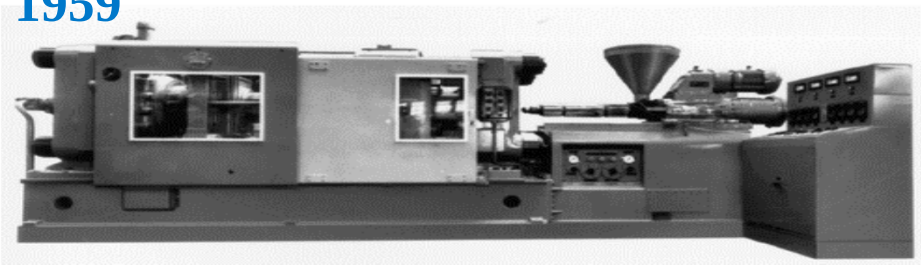
Founded in 1838 in Munich, Germany, as a locomotive manufacturer

The Krauss-Maffei plastic history

1926



1959



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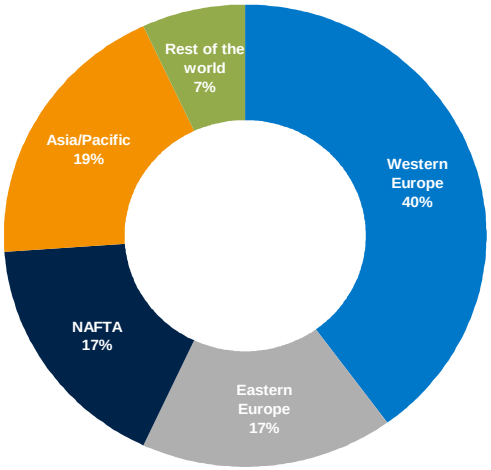
KraussMaffei Group

Injection Moulding

Extrusion

Reaction Technology



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U-PVC Pipe extruder – increasing the speed limit

36-L/D technology

Extruder	U-PVC [kg/h]
KMD 75-36 E2/R	540*
KMD 90-36 E2/R	770*
KMD 108-36 E2/R	1.000*
KMD 114-36 E2/R	1.200*
KMD 133-36 E2/R	1.550*

* Based on KM reference materials

U-PVC compact (smooth and corrugated) (< 30 parts CaCO3)

U-PVC-foamed 100% dry-blend 100% regrind Dry-blend + regrind

U-PVC-High filled (30-100 parts CaCo3)

M-PVC

long service-life of processing unit

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Pelletizing – increasing the production density & flexibility

- KMD 184-26/H-C-PVC

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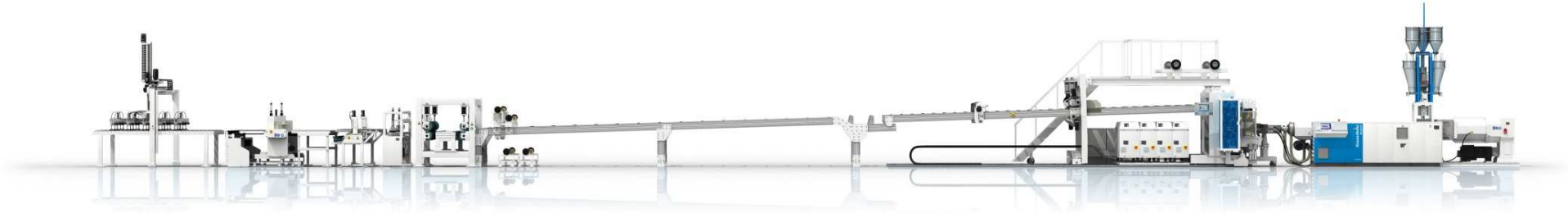
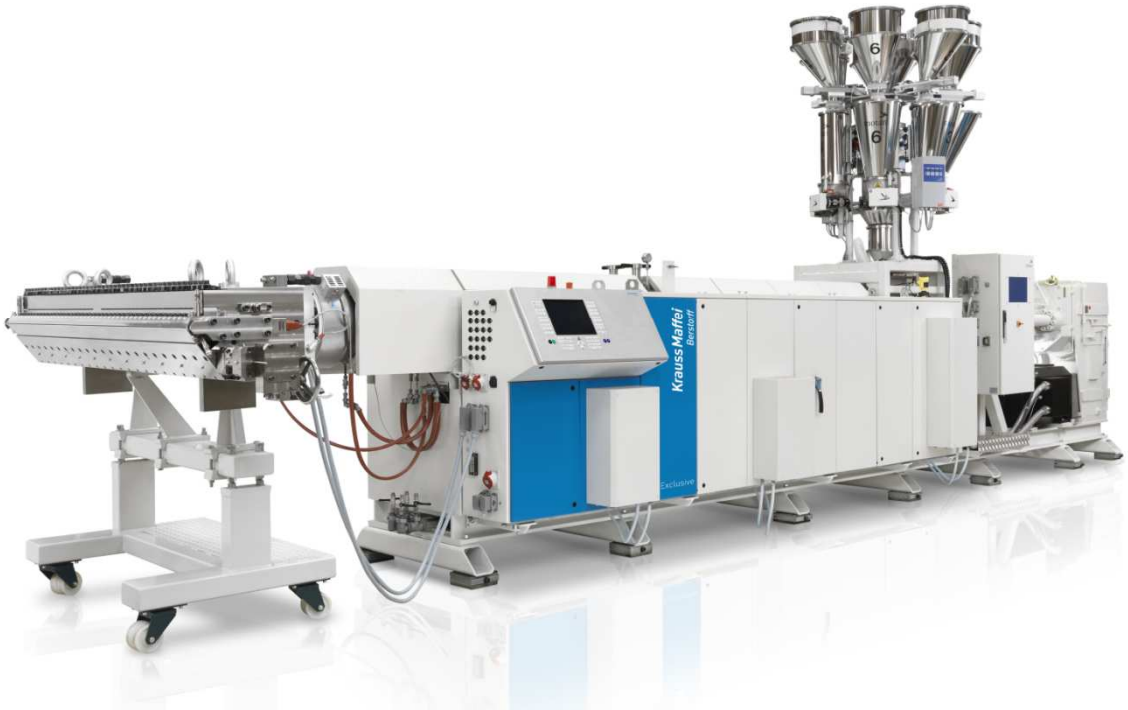
U-PVC Sheet– narrowing the limits





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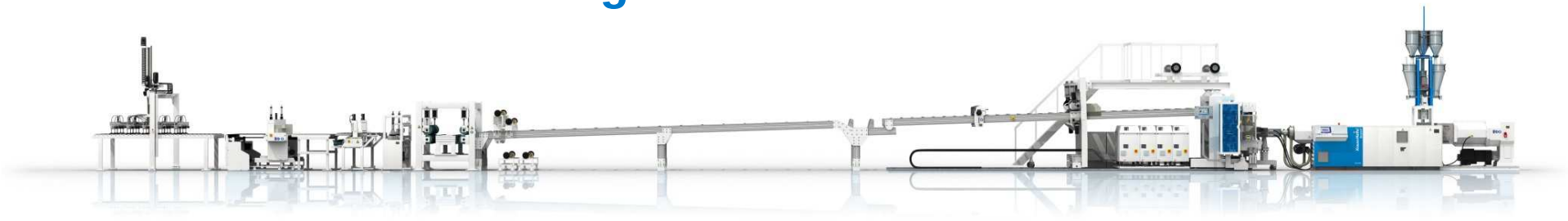
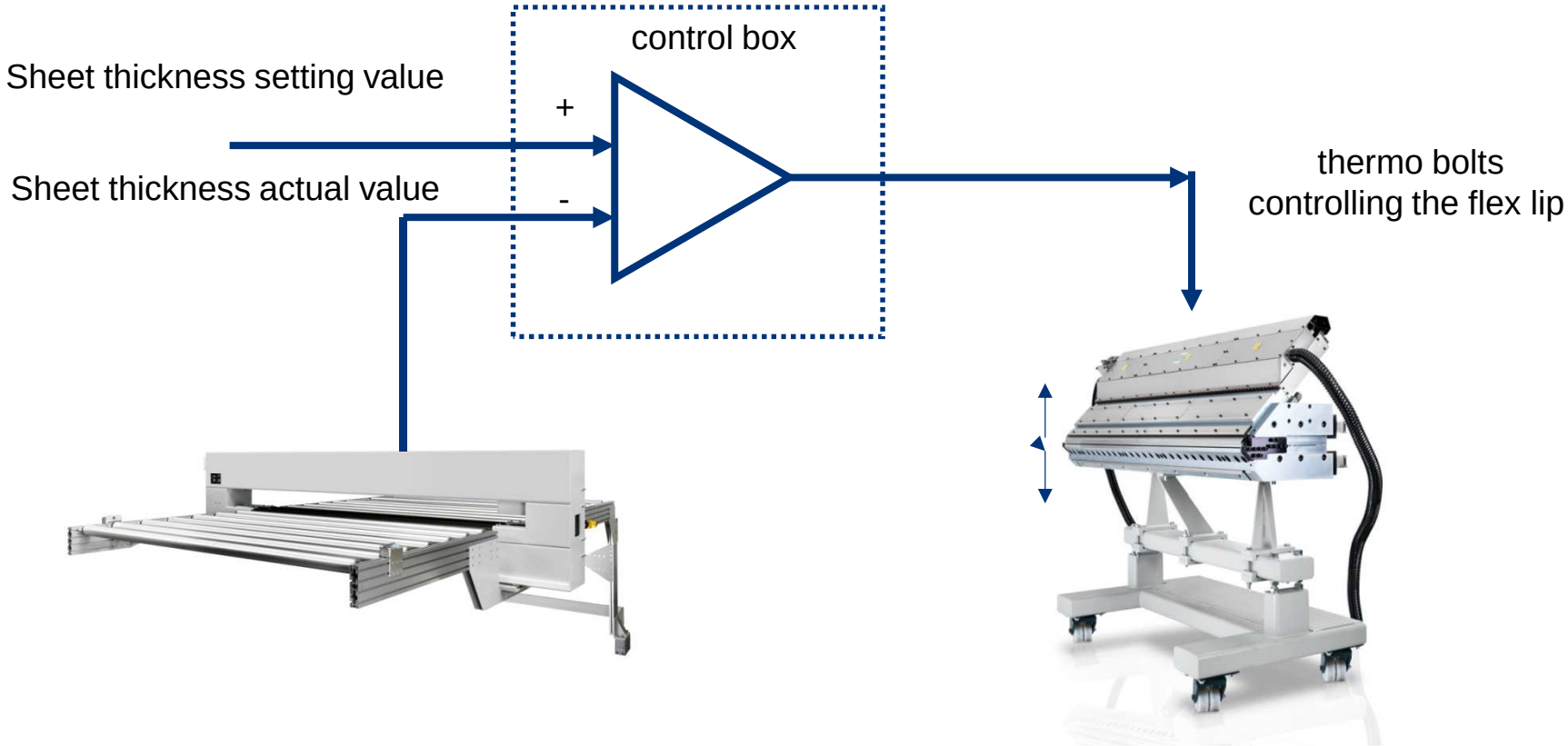
U-PVC Sheet– narrowing the limits





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Industry 4.0 - the soft side

Industry 4.0 = Computerization of Manufacturing

1st Industrial Revolution (1750)

2nd Industrial Revolution (1870)

3rd Industrial Revolution (1960)

4th Industrial Revolution (2016)

- The first industrial revolution mobilized the mechanization of production using water and steam power.
- The second industrial revolution then introduced mass production with the help of electric power,
- followed by the digital revolution and the use of electronics and information technology (IT) to further automate production.
- Industrie 4.0 = Computerization of Manufacturing. “Autonomous products” and “real-time decision making processes”.

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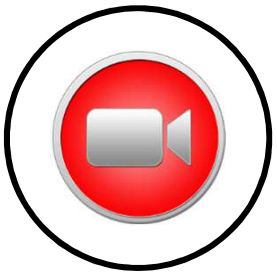
Industry 4.0 - the soft side

Internet Remote Diagnosis

Instant Help

Web Cam Support



Screen Recorder

e-Service Platform

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Thank you for your attention.

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