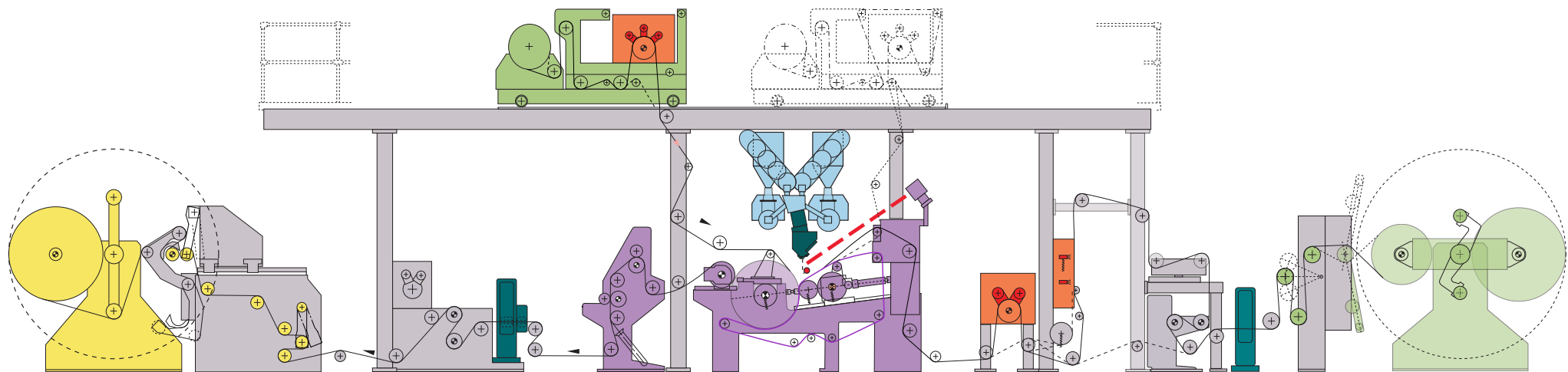


## Laboratory coextrusion coating line

For the development  
of coated/laminated board,  
paper or flexible packaging structures  
and general customer support



### Turret winder

centre winding  
contact or gap winding

automatic roll change and splice

chucks with core diameter  
70 mm (3"), 150 mm (6")

max. speed 1111 m/min

### Treatments

flame treatment for paper and board

**AFS**

corona pre treatment  
(40kW on 960mm operating width)  
with 22 ceramic electrodes with  
patented elastic mounting system and  
with a watercooled driven ceramic roll

corona pre treatment with ceramic  
roll for film and foil from sandwich  
unwinder

ozone treatment for the melt

### Hydraulic Laminator

working width 550 - 850 mm

max. speed 1111 m/min

cooling rolls gloss and matt  
diameter 900 mm

various pressure rolls with different  
diameters (110 - 350 mm) and  
hardness (80° - 95° Shore A)

line pressure max. 200 kg/cm linear

— teflon belt

### Extruders

Extruder A: 3.5" x 32 D  
output max. 330 kg/h LDPE  
drive 110 kW  
heaters 112 kW

Extruder B: 2.5" x 30 D  
output max. 150 kg/h LDPE  
drive 60 kW  
heaters 62.5 kW

Extruder C: 2" x 24 D  
output max. 80 kg/h LDPE  
drive 30 kW  
heaters 33.5 kW

Extruder D: 2" x 24 D  
output max. 80 kg/h LDPE  
drive 30 kW  
heaters 33.5 kW

gravimetric control for all extruders

### Feed block, die and measurements

**ER-WE-PA | Davis-Standard**

310A IV coat hanger die with automatic  
lip control and thermocouple feedback  
and automatic die gap variations

external deckling system with a working  
width of 550 - 1150mm mm

**Thermo**  
SCIENTIFIC

thickness measurement

- 2  $\beta$ -sensors for thickness differential  
measurement same spot
- FSIR-sensor

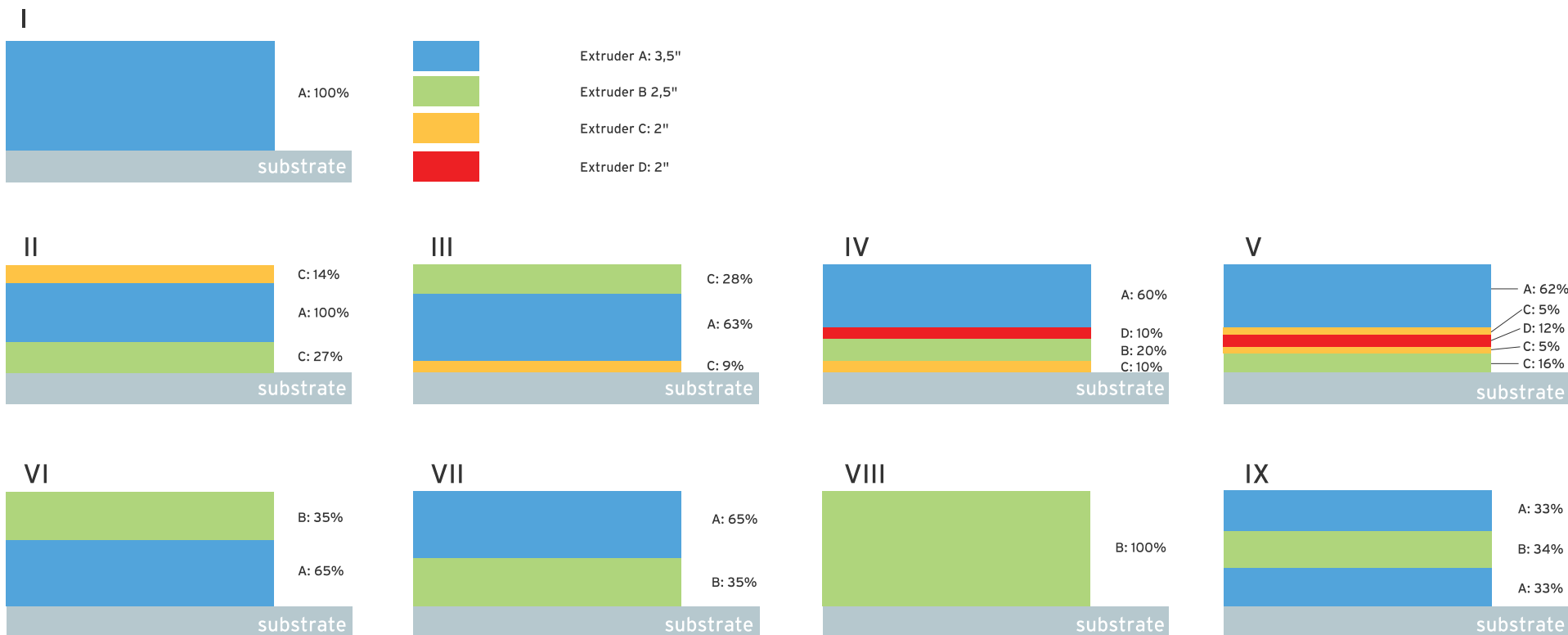
in line infrared measurement of the  
melt temperature

### Unwinders

turret unwinder  
max. speed 1111 m/min  
max. roll diameter 1250 mm  
chucks with core diameter  
70 mm (3"), 150 mm (6")  
flying splice

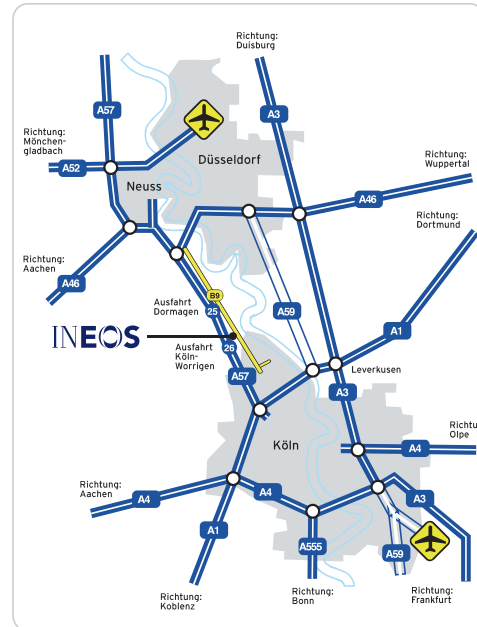
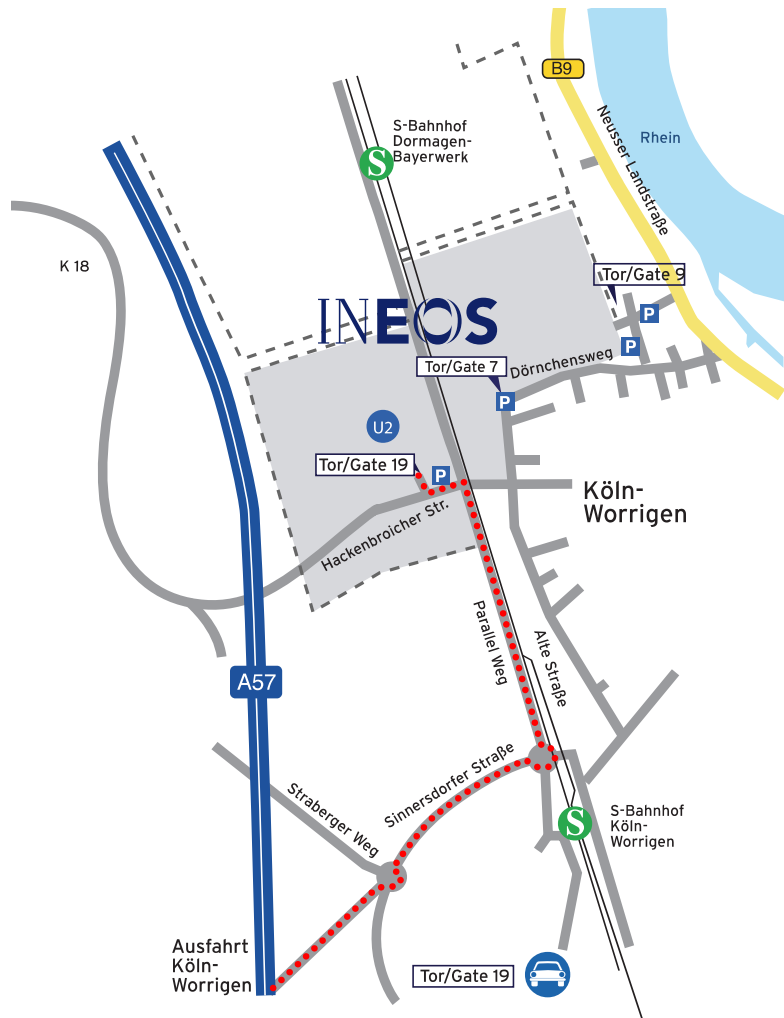
sandwich and auxiliary unwinder  
max. speed 600 m/min  
max. roll diameter 600 mm  
airshaft with internal core diameter  
70 mm (3"), 150 mm (6")

## Feed block inserts



# INEOS

## Olefins & Polymers Europe



The extrusion coating line is available for trials for different co-extrusion coating structures, technologies, new polymers and for training sessions.

For further information please contact us at:

Extrusion Coating Technical Service  
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Alte Straße 201  
50769 Köln, Germany

access route  
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e. [petra.hollacher@ineos.com](mailto:petra.hollacher@ineos.com)

## 35 years' experience in technical service extrusion coating

To deliver the right solutions for you, INEOS has a world class laboratory extrusion coating line and a dedicated team of technical experts with a wealth of experience and knowledge. This team is committed to supporting and working alongside you to make best use of INEOS products in maximising the performance of your extrusion plants as well as resolving any day to day issues that you may encounter.

Our extrusion coating line is one of the most advanced laboratory based systems in Europe. With a line speed of 1111m/min it is capable of replicating full-scale production and provides a maximum 5-layer co-extrusion facility. With our portable IR-temperature measurement device, which measures the melt temperature and distribution over the die width of the melt curtain, we can show you how the melt temperature is affected by varying the parameters on our machinery. In addition, our extrusion coating line enables investigations to be carried out on the application of polymers and different polymer coex-structures as well as various substrates.

As you would expect, our close contact with the leading machinery suppliers and suppliers of ancillary equipment (Corona, Flame or Ozone treatment) ensures we are up to date with the latest technologies which we can make available to you, demonstrating our continuous drive and commitment to providing a first class service to our customers.

Working in partnership with INEOS and utilising our unrivalled experience and technology not only gives you the opportunity to develop new and innovative products it also enables you to investigate and find solutions to any of your production line issues.

We look forward to working with you.

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