



**Industrial Flow Production** 



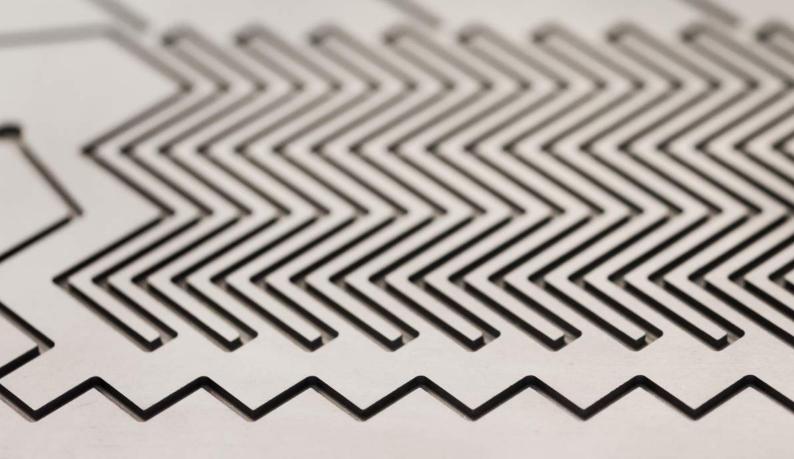
## CHEMTRIX BV IS HEADQUARTERED IN THE NETHERLANDS

# WITH OUR GLOBAL OFFICES & LABORATORIES WE ASSIST OUR CUSTOMERS WITH LOCAL CHEMICAL & TECHNICAL SUPPORT



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#### Industrial Flow Production

Plantrix<sup>®</sup> MR555 is a ceramic (Silicon carbide) continuous flow reactor used for material production at the multi-tonne scale. With integrated heat exchangers & SiC material of construction, Plantrix<sup>®</sup> gives optimal control of challenging flow chemistry applications. The compact, modular construction of Plantrix<sup>®</sup> enables;

- Long term flexibility towards different process types
- Access to a range of production volumes (5 to 400 l/h)
- o Intensified chemical production where space is limited
- o Unrivalled chemical compatibility & thermal control

## CERAMIC (SiC) REACTORS

- o Diffusion bonded 3M™ SiC reactors (braze & metal-free)
- Excellent heat & mass transfer
- Superior chemical compatibility
- o FDA certified materials of construction
- TüV certified
- o German quality

#### **SPECIFICATIONS**

- Reaction types: up to A + B  $\rightarrow$  P1 + C  $\rightarrow$  P2 + D  $\rightarrow$  P
- o Throughput: 5 to 400 l/h
- o Flexible reaction volume: 100 ml to 4 litre
- o High operating pressure: up to 25 bar
- o Wide temperature range: -30 to 200°C

### **DIMENSIONS**

o 346 (W) x 823 (D) x 1421 mm (H)



## CHEMTRIX BV DEVELOPS & PRODUCES CONTINUOUS FLOW REACTORS & SYSTEMS FROM LAB TO PRODUCTION

