

# IKA<sup>®</sup> Pilots

## >> Process Pilot

### IKA<sup>®</sup> Process Pilot 2000/4

Scale-up work made easy

IKA<sup>®</sup> offers the most versatile inline mixer for laboratory or pilot plant work. The innovative design can be converted to several different types of mixing devices. A wide variety of mixing tool options add to the flexibility of this truly unique design. The Process Pilot is recommended when working under conditions that require higher pressure, have a hazardous classification or when working with abrasive or non-lubricating products. Identical process parameters ensure a seamless transition to full scale production.

[www.ikausa.com](http://www.ikausa.com)



HED



UTL



DR



MK



CMS



MHD



German technology  
made in the USA

# IKA® Process Pilot 2000/4

300psi!



## Technical Description

### Specifications

- > 3HP 230/460 V, 3PH TEFC Non Ex-Proof motor , painted gray
- > Poly-V belt drive enclosed in a stainless steel base frame
- > High speed precision bearings enclosed in a stainless steel lantern
- > All wetted parts are made of 316 stainless steel
- > Shaft seal is a double mechanical with silicon carbide faces and FPM o-rings
- > Sanitary clamp connections, 1" inlet, ¾" outlet

### Process Pilot 2000/4 – HED

Single Stage Moderate Shear dispersing machine, IKA® HED has a standard tip speed of 23 m/s. Nominal flow rate is 12 GPM.

### Process Pilot 2000/4 – UTL

Single Stage High Shear dispersing machine, IKA® Ultra Turrax® (UTL). One generator (Medium – 4M). Standard tip speed of 23 m/s; nominal flow rate is 1.5 GPM. The generator can be easily changed to meet the needs of most applications.

### Process Pilot 2000/4 – DR

Three-stage Ultra Shear dispersing machine, IKA Dispax Reactor® (DR). Three generators (Coarse 2G - Medium 4M – Fine 6F) are arranged in series for optimum performance and functionality. Standard tip speed of 23 m/s; nominal flow rate is 1.5 GPM. The generators can be easily changed to meet the needs of most applications

### Process Pilot 2000/4 – MK

High Shear Colloid Mill - Colloid mill with adjustable milling gap, that is used for wet milling slurries and/ or colloidal solutions. Maximum flow rate is up to 2 GPM.

### Process Pilot 2000/4 – CMS

Powder Liquid Dispersing Module which creates a vacuum that draws in the solids and blends, all in one step. The CMS module requires a 4.5 HP motor. Outlet is 1". Maximum flow rate is 25 GPM.

### Process Pilot 2000/4 – MHD

Powder Liquid Mixer with a unique, patented design that minimizes aeration and can disperse high concentrations of difficult to wet out solids. Maximum flow rate is 0.5 GPM.