



SINGLE-USE BAGS
BIOPHARMACEUTICAL
INDUSTRY

Solutions for highest quality 2D and 3D bags & containers

Whether you are looking for fully automatic or semiautomatic production solutions for **single-use bioprocess bags**, being it for stem cell storage, cell culture, sampling, mixing or separation, a 20 mL **2D** bag or a **3D** cylindrical or rectangular design with up-to 3000L – Kiefel has the right welding process, production technology and automation grade to meet your demands.

Kiefel's R&D Center is equipped with nearly every tool to provide PoC's in any material, process and technology area and even prototyping.

Our innovative, highly reliable, and sustainable solutions mean highest safety and lowest total cost of ownership for our customers.



Main benefits at a glance:

- ⊕ **Highest bag quality** with special constant heat welding process
- ⊕ **Semi-automatic** and **fully automatic** solutions
- ⊕ **Quick and easy welding tool change** mechanism for rapid change-over and less downtime
- ⊕ Control systems for **quality assurance and reject part management**
- ⊕ Machine design for **efficient maintenance and easy operator access**



	2D Bag	3D Bag
20 mL – 50 L	X	
50 L – 3,000 L		X
Semi-automatic production	X	X
Fully automatic production	X	X