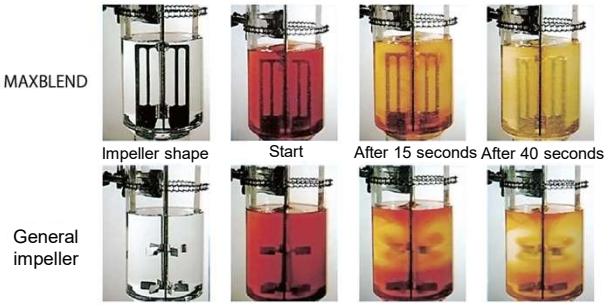
For the Chemical Industry

Mixing Vessels: MAXBLEND

R&D | FS/Demo | **Product/ Service**

Sumitomo Heavy Industries Process Equipment Co., Ltd.

- In the chemical and other industries, mixing processes are performed for various purposes, such as dissolution, dispersion, separation, absorption, and heat transfer. Even for mixing processes that seem simple at first glance, productivity can be greatly enhanced by using more effective methods. Our “**MAXBLEND**” features a unique impeller shape that allows for **reduced energy consumption during operation**.
- Compared to general impellers, MAXBLEND **achieves complete mixing in a shorter time when using the same mixing power. To reach the mixing status of the same level as general impeller, it can operate with less power**.
- MAXBLEND achieves energy-saving operation by generating an ideal entire circulation flow within a vessel.



Comparison of mixing times using the iodine decolorization reaction (where the liquid becomes transparent as mixing progresses)

Carbon Neutral Contribution points

✓ Generating an ideal flow within a vessel **reduces energy consumption during operation by up to 80%*** compared to general impellers(*Under solid-liquid condition)

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