

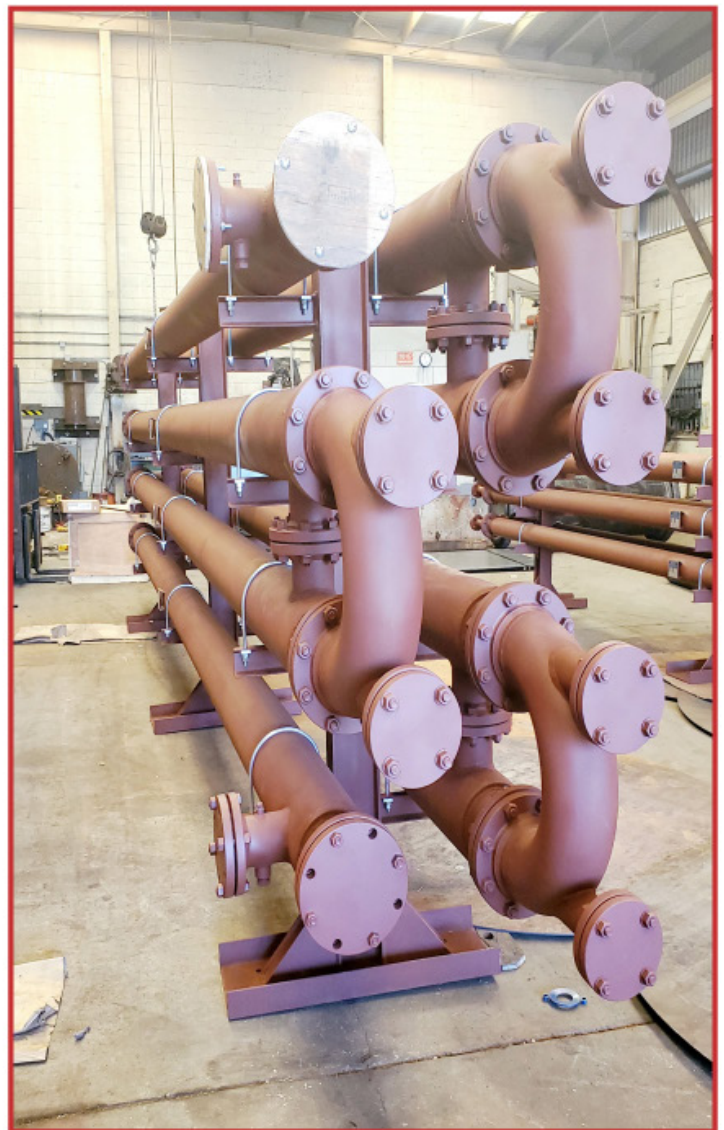
## **LEADING THE INDUSTRY IN STATIC MIXING TECHNOLOGY**

Komax Systems, Inc. is an industry leader in advanced inline static mixing and direct injection steam heating technologies, creating world-class solutions for clients across a spectrum of industries.

Komax is at the cutting-edge of technology for a diverse range of Inline Static Mixers, Direct Injection Steam Heaters, Desuperheaters, and Heat Exchangers that are resilient, energy saving, and capable of solving the most complex mixing and heat transfer challenges.

The company pursues technological excellence, while continuously innovating and developing new solutions for a variety of mixing and heat transfer applications.

The sludge heat exchanger, or Komax Klean-Wall® Heat Exchanger, is mainly utilized for heating municipal sludge, FOG (Fats/Oils/Grease), or manure for aerobic/anaerobic digestion purposes. The Komax Klean-wall sludge heat exchanger incorporates the Hi-pass static mixing elements, which create turbulence at pipe walls and removes boundary layer. This increases the heat transfer efficiency as compared to a conventional straight pipe tube in tube heat exchanger. It also delivers non clog performance which reduces downtime and operating costs. It is typically installed in a recirculation loop with a digester.





The sludge heat exchanger can specifically be used to heat sludge using hot water OR to reclaim heat from hot outgoing digested sludge to heat the cold incoming sludge, enhancing biogas production and assisting in producing Class A biosolids.

Heating sludge to harness energy by capturing the biogas is a green practice utilized around the world in sustainable farming to capture methane gases. The biogas can be used to generate power using a generator or when sufficiently treated can be converted to Renewable natural gas (RNG) to be injected into natural gas transmission pipelines.



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**KOMAX KLEAN WALL SLUDGE HEAT EXCHANGER**

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