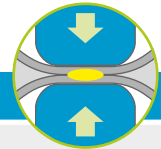


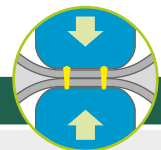
Lamellas in comparison

Highest quality begins in the detail – the advantages of the GIG Karasek forming process for spot- and laser-welded lamellas



POWER Spot Lamella – spot-welded

Weld seam heating surface	Forming process: No deformation or force applied to the weld seam during the forming process of the lamellas	<ul style="list-style-type: none"> ◆ Bursting – minimal risk ◆ Minimal stress on the weld seam
Edge welding	Fully closed edge welding	<ul style="list-style-type: none"> ◆ Durable lamella edges ◆ No crevice corrosion possible ◆ Maximum utilization of the heating surface
Surface	Very smooth, minimal surface unevenness	<ul style="list-style-type: none"> ◆ Fouling – minimal risk ◆ Corrosion – low risk
Weld pattern	Forming process: Variable weld pattern adapted to the application possible	<ul style="list-style-type: none"> ◆ Maximum lamella height possible ◆ Low pressure loss in the lamellas ◆ Energy-efficient heating up
Formats	All GIG Karasek standard formats	



LASER Luxe Lamella – laser-welded

Weld seam heating surface	Forming process: No deformation or force applied to the weld seam during the forming process of the lamellas	<ul style="list-style-type: none"> ◆ Bursting – minimal risk ◆ Minimal stress on the weld seam
Edge welding	Fully closed edge welding	<ul style="list-style-type: none"> ◆ Durable lamella edges ◆ No crevice corrosion possible ◆ Maximum utilization of the heating surface
Surface	Ring-shaped laser weld seam	<ul style="list-style-type: none"> ◆ Fouling – low risk ◆ Corrosion – minimal risk
Weld pattern	Forming process: Variable weld pattern adapted to the application possible	<ul style="list-style-type: none"> ◆ Maximum lamella height possible ◆ Low pressure loss in the lamellas ◆ Energy-efficient heating up
Formats	All GIG Karasek standard formats	

Standard laser-welded lamellas on the market

Weld seam heating surface	Direct application of force and deformation at the weld seam during forming lead to stresses in the weld zone.	<ul style="list-style-type: none"> ◆ Negative influence on lamella lifetime possible
Edge welding	„Open“ edge, weld seam is positioned inwards	<ul style="list-style-type: none"> ◆ Crevice corrosion is possible ◆ Heating surface is lost
Surface	Ring-shaped weld seam, slight unevenness	<ul style="list-style-type: none"> ◆ Fouling – low risk ◆ Corrosion – minimal risk
Weld pattern	Tighter weld pattern required so that the laser weld can withstand the stresses when forming the lamella	<ul style="list-style-type: none"> ◆ Lower panel height possible ◆ Higher pressure and energy losses
Formats	Manufacturer-specific formats and materials	