



Power Dividers & Power Combiners



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Introducing the Sylatech range of Power Dividers and Power Combiners, suitable for use in a variety of applications from large ground station radars to lightweight space devices.

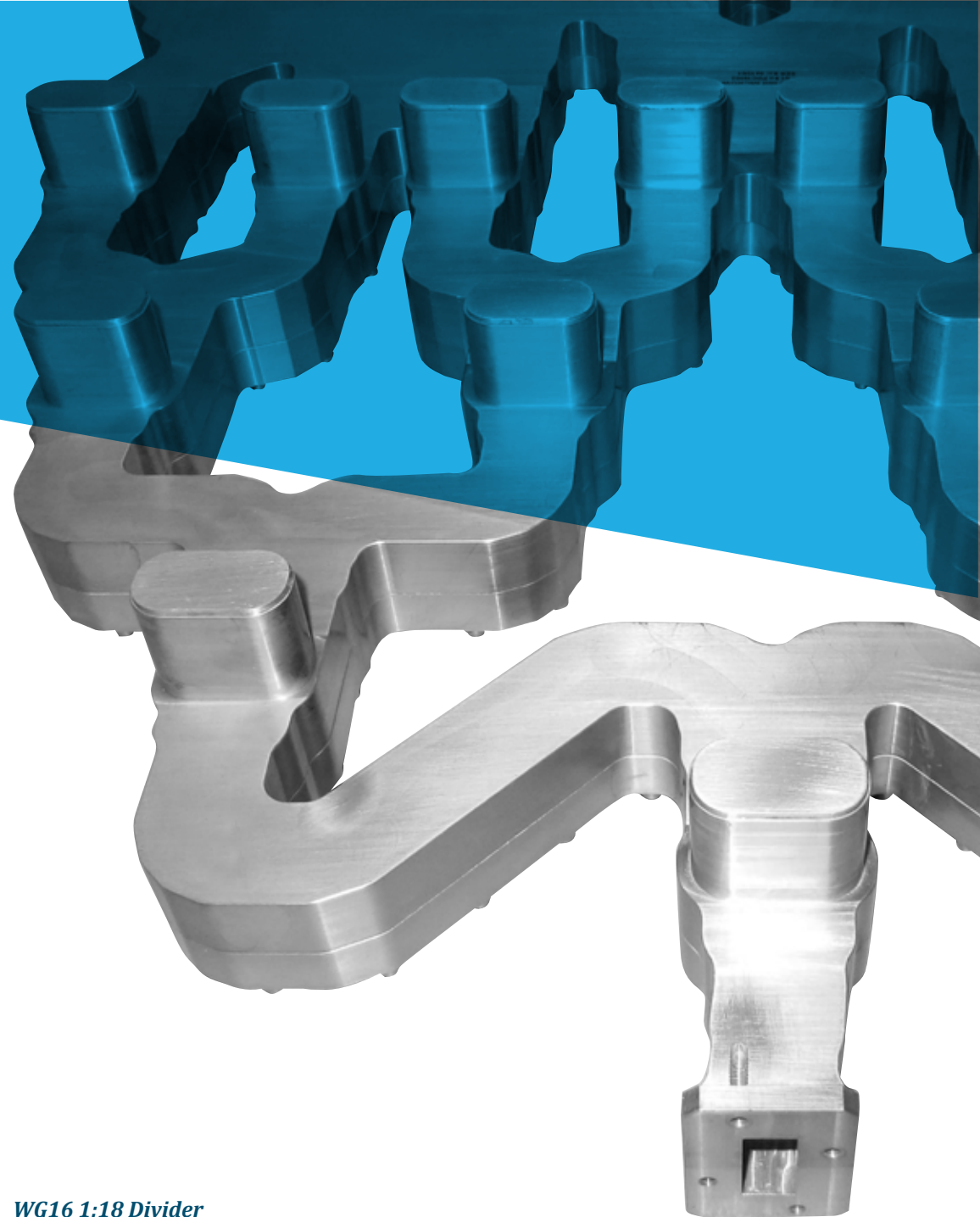
Specifically designed to suit end-fed slotted waveguide arrays, our precision designs can provide unequal power division at output ports. This feature enables specific weighting of the power coupled into the aperture rows.

The antenna weighting functions of the Sylatech Power Divider can be tailored to meet exacting customer requirements. Our designs also provide very high isolation between each port, which maximises the overall antenna sidelobe and gain performance.

Our highly skilled team of design engineers work with customers to meet often complex performance demands and can also provide a complete slotted array antenna design and manufacturing service.

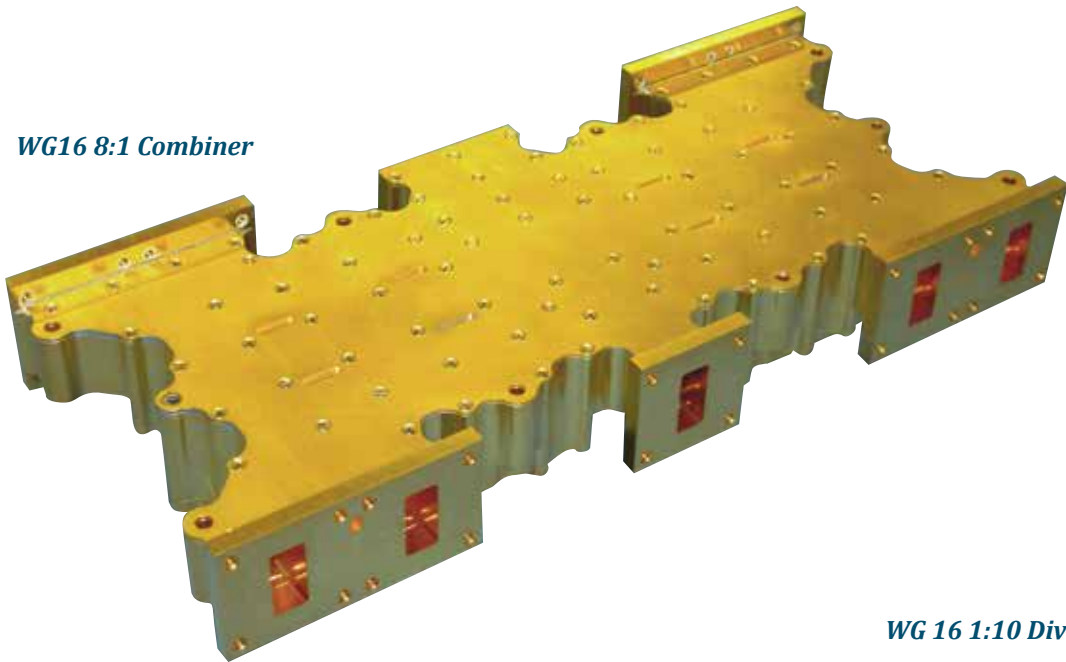
We look forward to working with you.

WG16 1:18 Divider

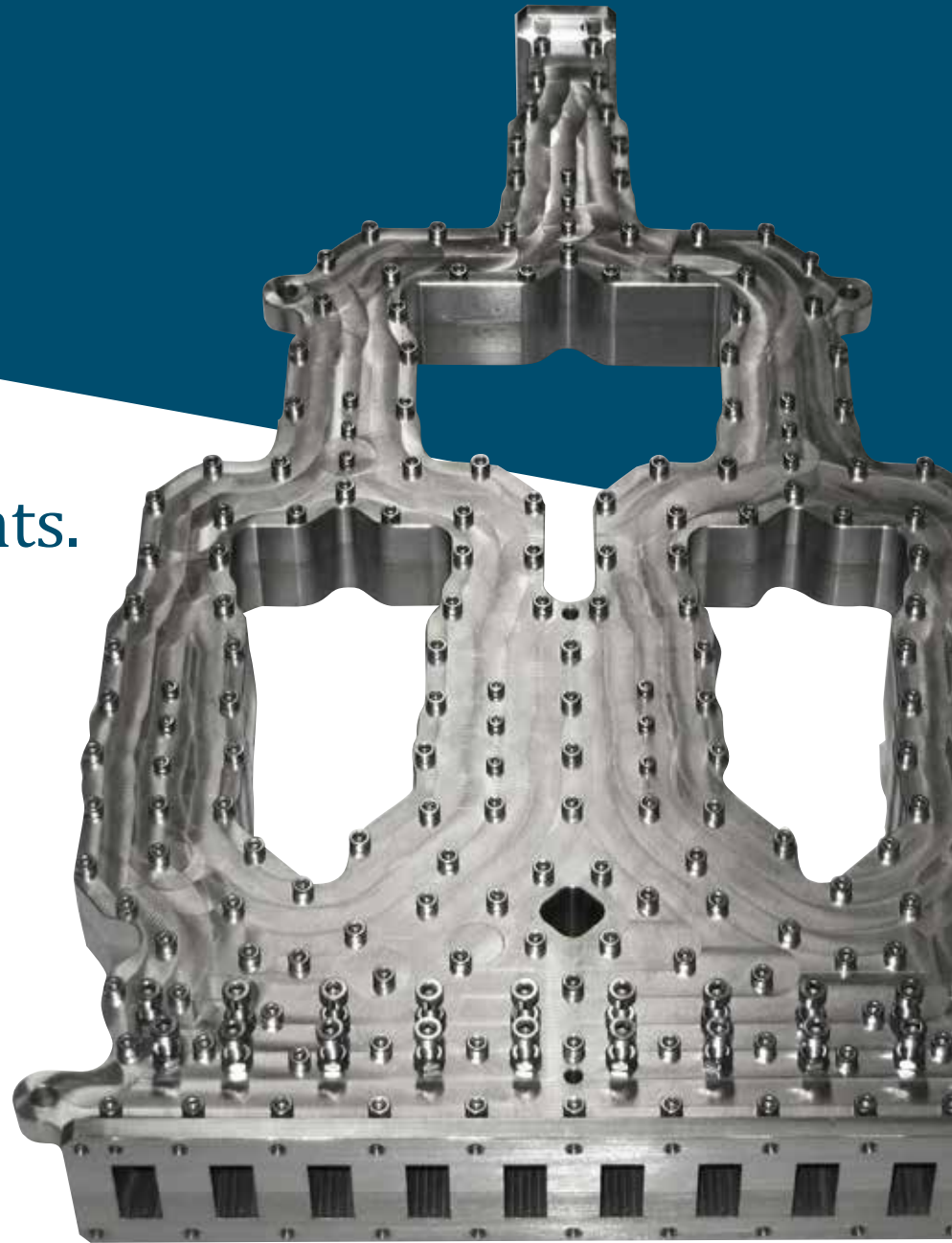


Custom designed
Power Dividers/Combiners to
meet exacting customer requirements.

WG16 8:1 Combiner



WG 16 1:10 Divider



Typical Specification

(without antenna weighting functions)

Feature	Rating
Frequency Range	9.0 to 9.5 GHz
VSWR - input port - output port	1.2:1 maximum 1.2:1 maximum
Insertion Loss	0.2dB maximum
Amplitude Unbalance	0.2dB maximum
Output Port Relative Phase	In-phase design
Output Port Isolation	20dB minimum
Waveguide Size	WG16 (WR90)



An outstanding reputation
for expertise in design
engineering and manufacture.



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