

Productive Density®

Sigma's art of using science to get you more from less

Don't read this if you have a huge lab or factory with unlimited space, unlimited power, unlimited equipment, hoards of operators, and nothing but time on your hands - you don't need what we do best.

Productive Density is about being competitive. It's about being able to use the space you have to expand your work. It's about running your thermal test equipment using the electrical power that's already available. It's about relying on quality equipment that keeps going with a minimum of service & disruption.

Productive Density is about being able to run more tests per day, per shift, per hour. It's about being able to buy less test equipment to do the same work. It's about being able to use fewer operators to run your thermal test or conditioning facility. It's about getting more product out the door, or generating more research data, while using the minimum amount of resources.

For high growth companies, Productive Density can mean it'll be another year before you have to move to a larger and more expensive facility. Whether it saves you a little, or millions of dollars, it'll make your work easier.

Productive Density is the accumulated result of nearly 50 years of careful design and forward thinking. It's a Sigma Systems exclusive benefit you get every time you buy Sigma equipment. You don't have to order it, or even ask for it. It's built in. It's not just a feature, it's a passion and an attitude. For Sigma Systems, it's the essence of who we are. That's why you get it with Sigma, by default.

What, exactly, is Productive Density?

Productive Density is the name we apply to the result of working to optimize everything about a temperature chamber or thermal platform so you can get more from it. There are thousands of little things that add to the formula. The most obvious are:

Compact designs. Throughout this catalog you'll see compact thermal platforms and chambers with thin walls, tightly integrated air movement systems, etc. The smaller footprint saves your valuable space.

More sizes. Compact designs don't mean much if you have to buy larger equipment than you need. Sigma offers more stock models and sizes, plus custom sizes, so you can buy just the size that fits your need.

Higher performance. Sigma chambers and platforms are designed to really perform, not just get the temperature probe to perform. High chamber air velocities, high density platform heater arrays, multiple air blowers, etc. all combine to get your DUT temperature where you need it quickly.

Legendary quality. Sigma quality, from little things like epoxy powder coating both the outside and the

inside of the chamber shell, to robust Copeland semi-hermetic and scroll compressors, to door gaskets of high temperature Silicone rubber, to custom made valves and heaters, keeps your platform or chamber running years longer than the competition.

Production enhancing

control firmware. Sigma's exclusive T-Drive and Touch

'n Go control firmware, standard in all Sigma C4 controllers, can often shorten test times by over 50%, thus doubling production output for every test station and lowering capital costs.

Low electric power consumption. Sigma's efficient designs, including ultra efficient insulation and high efficiency heaters, result in low power consumption. Sigma's exclusive Power Sharing option let's you run refrigerated chambers on low power while retaining high performance and very fine control.

The list of factors and design features that contribute to Sigma's Productive Density is thousands of items long. To learn more about what Productive Density is, and what it can do for you, ask your Sigma representative for the brochure *Productive Density... the Art of Using Science to Get You More From Less*.

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