

ATLAS





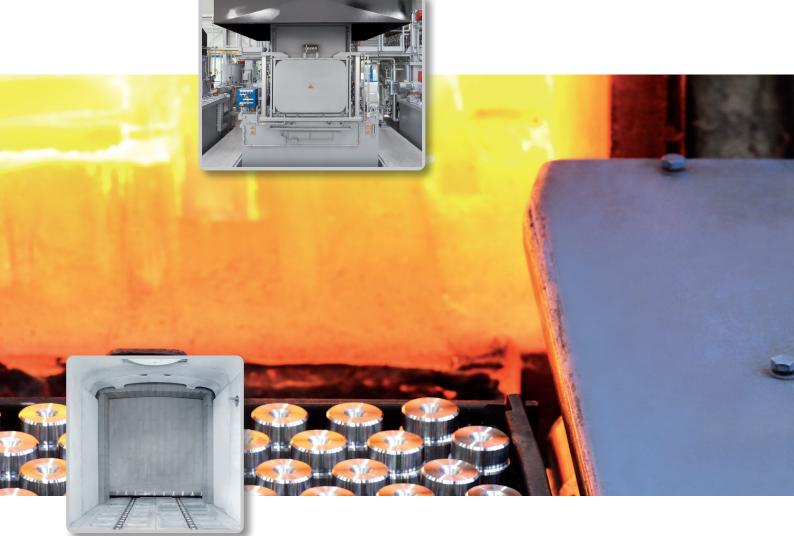
Is there anything more convincing than quality? The Ipsen ATLAS.

To Ipsen, quality means offering you technology that is intelligent, energy efficient, and easy to operate. With innovative technologies such as Recon® Burner, SuperQuench, and the revolutionary integrated Hybrid process, we are not just refining proven technologies, we have optimized them up to the current available limits of the technical possibilities.



The revolutionary Hybrid Carb

is a completely gassing technique for gas carburizing: Process gas isn't burned off; it's recycled back into the heating chamber, reducing CO_2 emissions and process gas costs by as much as 90 %. It's the engineer's choice because it is good for our climate and for your energy efficiency.



Top quality lining.

The Ipsen Atlas is lined with extremely durable insulating firebrick and has a silicon-carbide hearth. The surrounding muffle protects the charge from exposure to direct heat and facilitates uniform temperature distribution throughout the load.

The Ipsen ATLAS: cunning innovations, clever interfaces, intelligent configuration.

What do you get when you combine intelligence and quality?

An atmosphere furnace that is state-of-the-art in both hardware and software. Cunning innovations like the HybridCarb process that help you save energy and resources. Clever interfaces that give you comprehensive control over all aspects of heat treatment. Intelligent automation software that simplifies your facility planning. The Ipsen Atlas is a highly intelligent system that reduces your workload and produces results efficiently. It's the engineer's choice because heat treatment doesn't get smarter than this.

Are you hungry for quality that isn't energy-hungry? Ipsen Advanced Efficiency.

Heat treatment facilities' appetite for energy is not only an environmental challenge. It's a financial challenge, too, with energy prices rising and climate certificates on their way. If you want to perform cost-effective heat treatment you have to be energy efficient and use sensible recycling processes – such as Ipsen's ADVANCED EFFICIENCY concept.

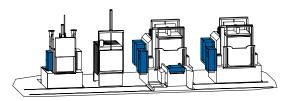


The Ipsen ATLAS: do more with less.

Going green makes more sense now than ever, but Ipsen has been working for years on how to use less energy and reduce costs while producing ever-better results. The latest contender in this field is the Ipsen Atlas. It is the engineer's choice because it has exemplary insulation, cutting edge recycling technologies, and it is pre-programmed for energy efficiency.

Intelligent technology for more energy efficiency: AutoMag® 4.0.

Smart process control software does more than simply monitor batches and control their treatment. It also assures the optimal use of energy and other resources. AutoMag® 4.0 makes your heat treatment easy to control and continuously more energy efficient.

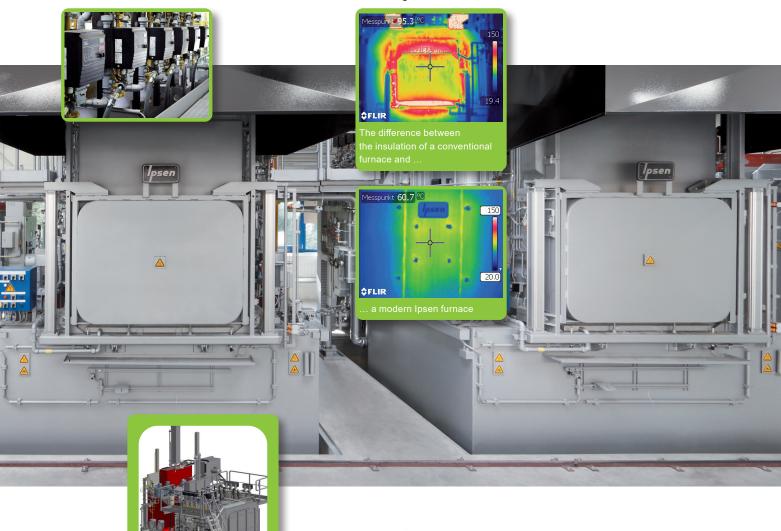


Optimal energy recovery: Recon® Burner.

Recon® Burners re-use heat energy multiple times. They capture valuable heat from exhaust gases and return it to the combustion process. The burners are very easy to adjust and clean, too.

Splendid Insulation.

The energy efficiency of the Ipsen Atlas is in part thanks to the excellent insulation provided by a combination of high grade insulating materials.



Less CO₂, lower costs: Hybrid Carb.

You shouldn't be wasting gas and energy during gas carburizing. The revolutionary HybridCarb system significantly reduces process gas and energy consumption.



Everything under control: Carb-o-Prof®.

The Carb-o-Prof® furnace control software assures you maximum efficiency, with easy, comprehensive, and reliable control, as well as analysis and process optimization.

PLC systematic control and savings.

PLC provides intelligent, individual control of each Recon® Burner, producing the best results while consuming the least energy possible.

Isn't it especially smart when everything is made easier for you?

Ipsen has worked hard to make planning and configuring your facility with the Ipsen ATLAS as simple as possible. All our components are intelligently configured for maximum compatibility. This means it is simple to expand or modify your equipment at any time.

Time-optimised job-planning



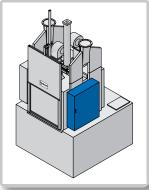
Rapid individual-batch view

AutoMag® 4.0.

Everything under control. AutoMag® 4.0 can control all the components of your Ipsen Atlas facility automatically. The software calculates optimal capacity utilization, too. It's the engineer's choice because it gives vou even more efficient use of energy and resources.

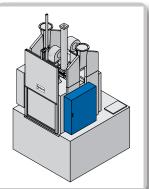
Energy optimised, cost-saving job-planning





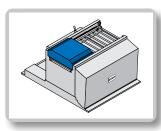
The space-saving washer.

The Ipsen two-stage oil skimming system is extremely compact, provides optimal washing compound usage, and high throughput. The cleaning effect is increased by the up and down motion of the basket especially helpful for tightlypacked loads.



The reliable loader.

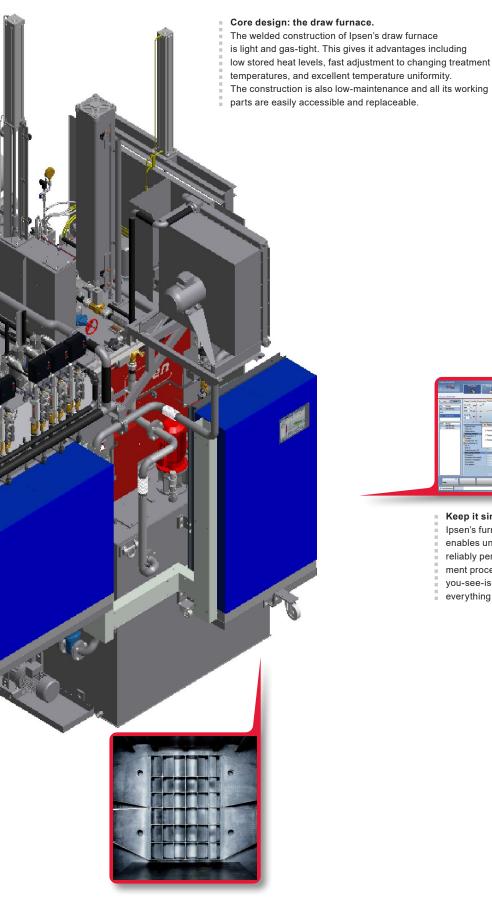
Ipsen's compact and reliable loader is only slightly larger than the charge baskets themselves. And it prevents charges from getting jammed during transport, and minimizes wear and tear on your equipment, baskets, and operators.

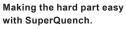




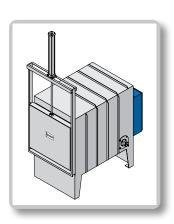
Retrofit any time: Hybrid earb.

Your investment in this revolutionary recycling technology will pay for itself in record time. But even if it doesn't warm your heart today, every Ipsen Atlas can be quickly and easily retrofitted with a HybridCarb recycling kit at any time.





Precise quenching is one of the biggest challenges in heat treatment. Now you can easily take on this challenge with the high-performance Ipsen Super-Quench oil bath.





Keep it simple: Carb-o-Prof®. Ipsen's furnace software also enables untrained operators to reliably perform any heat treatment process necessary. What-you-see-is-what-you-get ... if only everything was this easy!

I^{About} Ipsen

Backed by 70 Years of experience, it is our mission to strengthen heat treatment through expertdriven solutions. We are committed to delivering proven technology for a range of applications that enable you to transform space exploration, improve titanium medical implants and develope more efficient cars and jet engines.

Ipsen International GmbH

Flutstraße 78, 47533 Kleve

Germany

Phone: +49 (0) 2821 804-0

Sales@Ipsen.de www.lpsen.de

