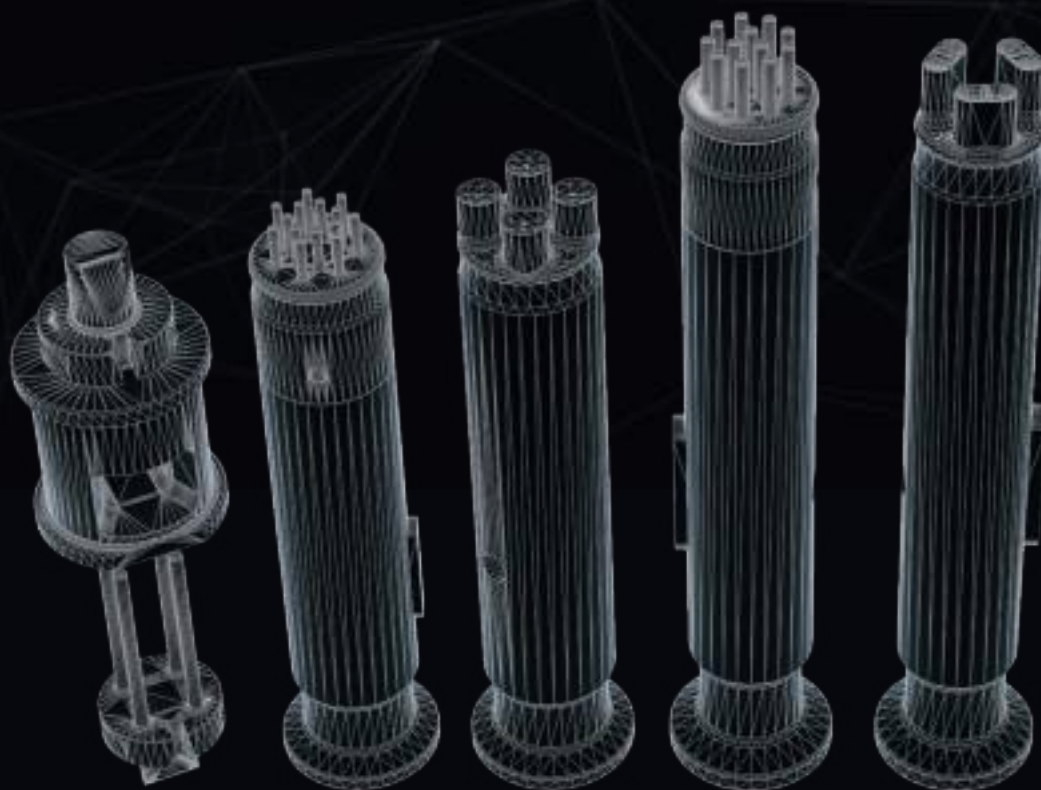


LURGA



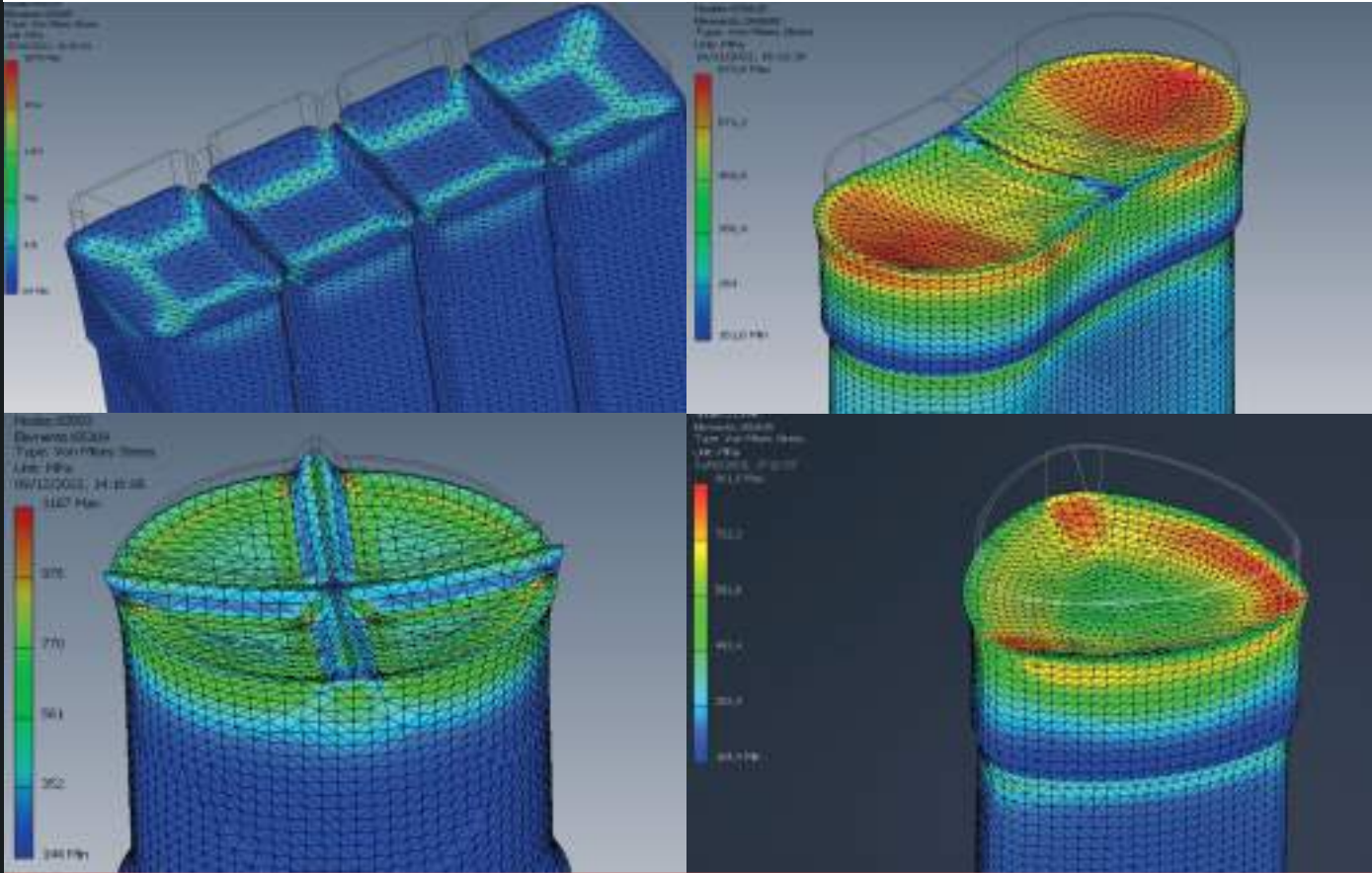
TABLETING TOOLS



Our Design Engineering team is available to assist in the entire process to draw up the technical design according to the customer's specifications, providing:

- Ensure tablet quality
- Maximize Tablet Production
- Increase Product Life Cycle Time
- Increasing the compression force limit
- Avoiding sticking problems
- Avoiding capping problems
- Innovative shapes

We have 3D printers in order to send samples of tablets/spare parts to our customers.



- FEA, Finite Element Analysis, is a computational tool used to analyze and simulate the behavior of complex systems. It helps engineers predict the behavior of a structure under different loading conditions, such as stress, heat, and vibration. In this case, we use it to calculate the compression forces for each tool.

LURGA

1968

Founded in 1968 by Mr. **José Manuel Paulino**.
Production line located in Lisbon, Portugal.
It soon stood out in the sector of high performance tableting tools.
Today Lurga supplies, on a Global scale, tableting tools for all industries, namely: pharmaceutical, nutraceutical and chemical.

STEELS

HIGH PERFORMANCE TOOLS

Steels *	Wear Resistance	Compreension	Corrosion	Resilience	Tenacity
Standard	■■	■■	■■■	■■■■	■■■■■
L20 / L20+	■■■■	■■■	■■	■■	■■
L50 / L51	■■	■■	■■■■■	■■	■■
L55 / L56	■■■■■	■■■	■■■■	■■	■■
L60	■■	■■	■■■■■	■■■	■■
L62	■■	■■	■■■■■■■	■■■■	■■■
L70	■■■■	■■■	■■	■■■	■■■
L80	■■■■■	■■■■■	■■	■■	■■
L85	■■■■	■■■■	■■■	■■■	■■■
L95	■■■■	■■■■	■■■	■■■■	■■■
L98	■■■■■	■■■■■	■■	■■■	■■■
L100	■■■■	■■■■	■■	■■■■	■■■■

* We only work with German/Austrian top quality steel and in compliance with all GMP standards.

COATING

HIGH PERFORMANCE TOOLS

Coating	Wear Resistance	Anti-Stick	Corrosion	Friction
A10	■■	■■	■■■	■■■■
A60+	■■■■	■■■	■■	■■
B20+	■■	■■	■■■■■	■■
B40+	■■■■■	■■■	■■■■	■■
B40++	■■	■■	■■■■■	■■■
B45+	■■	■■	■■■■■■■	■■■■
B46+	■■■■	■■■	■■	■■■
B50+	■■■■■	■■■■■	■■	■■
B55+	■■■■	■■■■	■■■	■■■
B56+	■■■■	■■■■	■■■	■■■■
BS70+	■■■■■	■■■■■	■■	■■■
BS100+	■■■■	■■■■	■■	■■■■
BS120+	■■■■	■■■■	■■	■■■■

PUNCHES

The tableting tools manufacturing process is unique and allows the choice of the best steels, coatings and heat treatment for the punches production.

Accumulated knowledge, technology and partnerships with its customers, universities and suppliers, allows Lurga to offer current and innovative solutions to its customers.

Lurga's range of solutions goes from micro-punches to punches for the largest tablet presses in the world, with solutions in operation in Asia, Europe, Africa and America.



• **ROUND**



• **OVAL**



• **SPECIAL FORMAT**
"Δ"



• **SPECIAL FORMAT**
"8"



• **RECTANGULAR**



• **IMA COMPRIMA**

MULTI-TIPS

- Increased productivity
- Reduction in overall plant running costs
- We can help with a business case justifying the investment
- Reduction in press run-time and in press setup-time
- Less tablet presses required to satisfy output



• **EU1 D 4X8MM**



• **EU19 B 12X2MM**



• **EU1 D 14X2MM**



• **IMA COMPRIMA 4X3MM**



• **EU19 B 3 8X4MM**

NUTRACEUTICAL

Nutraceutical products have a very high mineral content, with very abrasive and eventually corrosive characteristics.

Through the choice of steel, its heat treatment and specialized coatings, Lurga is able to offer a specific solution for each need of Nutraceutical products.

Nutraceutical



• **VITAMINS & MINERALS**



• **MAGNESIUM**



• **EFFERVESCENTS**



• **KIDS**

CHEMICAL

In the manufacturing tablets process for the chemical industry, these formulations bring their own challenges, such as adhesion and abrasion.

Our tools can help manufacturers overcome these problems with a design suited to the product characteristics, steels, heat treatments and coatings specially developed and studied by our technical department.

Chemical



• **CHARCOAL**



• **CHLORINE/SALT**

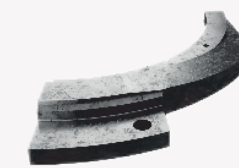
SEGMENTS

- Shorter cleaning and setup times
- Increased productivity
- Increase production yield and reduce the amount of wasted product
- Increased durability



UPGRADE TABLET PRESSES

SPARE PARTS



• FETTE P3000

45 Station Type B
Double Sided
486.000 Tablets/hour



• FETTE P2000

36 Station Type B
118.000 Tablets/hour



SERVICES

- **Long-term contract supply:**

High-use punch blanks are stocked and ready to be finished to your specifications.

Unique punches and dies can be stored for individual customers for use on future orders.

- **Training**

Webinars or on-site practical and theoretical sessions

Equipment setup

Tool handling, cleaning, control and storage

Dimensional control

Follow-Up of 1st production

Tool/equipment lubrication

- **Technical Assistance**

Technical Assistance Services for compression equipment on-demand

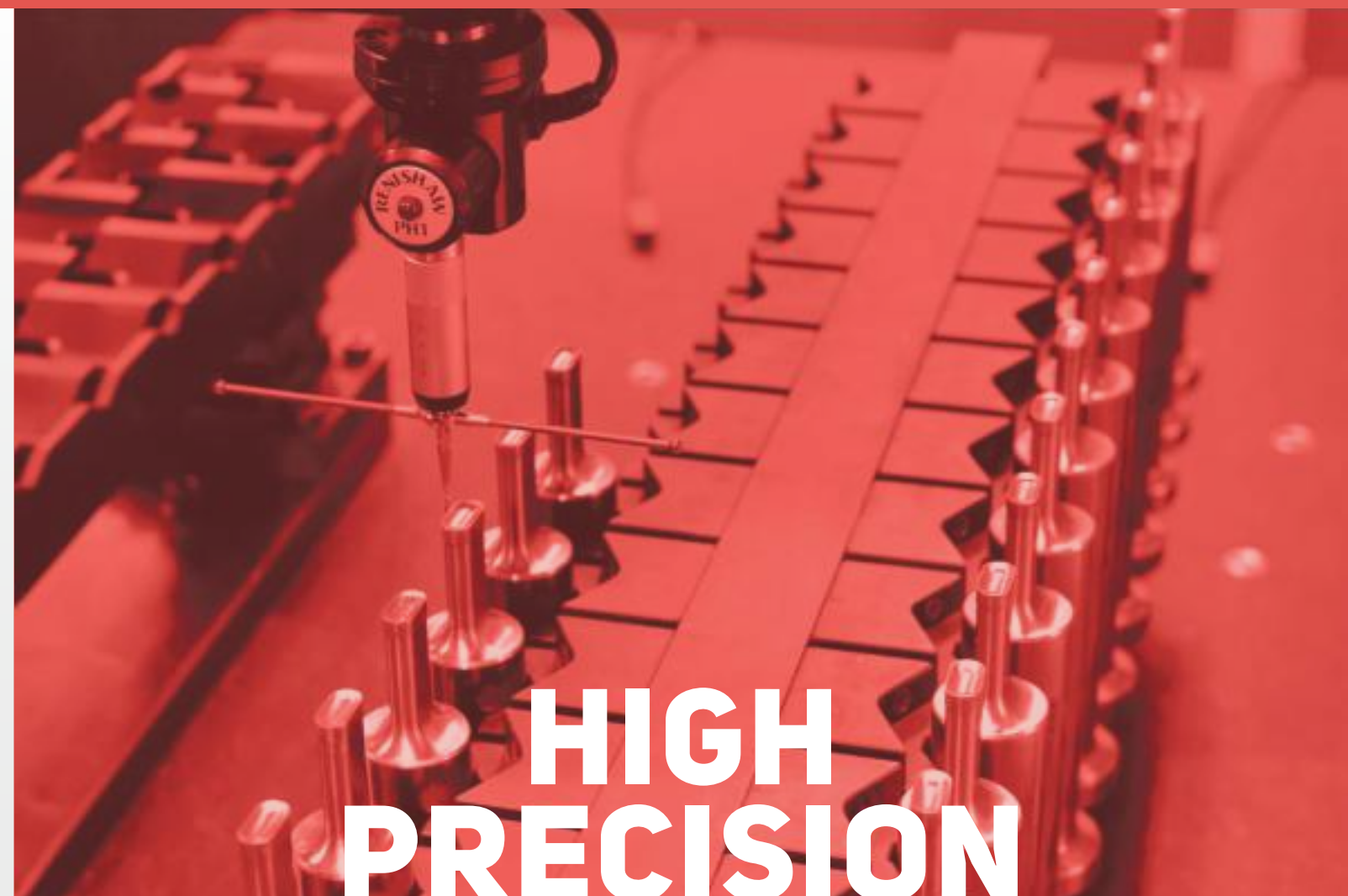
Technical Assistance Contracts

Configurable Solutions

- **Machine Maintenance Engineering**

Configurable machine maintenance engineering services according to the clients' needs

Manufacturer-independent tablet press maintenance contracts



HIGH PRECISION TABLETING TOOLS

LURGA

Parque Industrial Olaio, Est N. 10, Km 140,1
2695-066 Bobadela – Portugal
38°48'29.82"N 9° 5'43.24"W



ORDER NOW

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PORTUGAL
LOCATION

LISBOA
38°48'29.82"N 9° 5'43"W