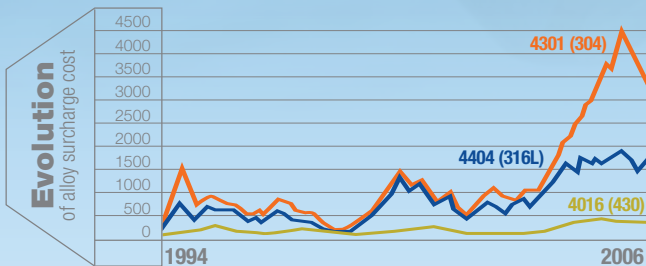


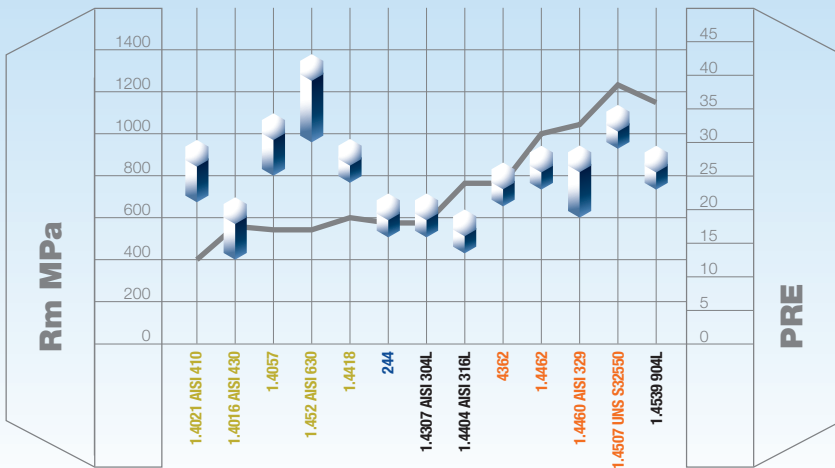
Our newest solutions combine performance with savings

With its UGIPLEX, UGILEAN, UGISTEAD and UGIMA® products, Ugitech has developed a range of highperforming, economical grades for your use.



How ?

- By reducing the quantity of certain expensive alloy elements in the composition of these grades.
- By limiting alloy surcharge variations.
- By constantly improving the machinability of our grades.
- By proposing solutions to reduce the product cost of ownership.



• UGIPLEX

The austeno-ferritic grades (Duplex) offer a perfect compromise between corrosion resistance and mechanical properties.

• UGILEAN

Martensitic and ferritic grades characterized by their excellent levels of mechanical or magnetic properties.

• UGISTEAD

Low Nickel austenitics with properties equivalent to 4301/4307 (304/304L) in identified media.

• UGIMA®

Range of grades with improved machinability highly valued by users.

UGITECH

Providing special steel solutions



Our new solutions

1/. New stainless steels

Range	Grade	C	Si	Mn	Ni	Cr	Mo	N	Cu	P
● UGIPLEX	UGI 4362	≤ 0,030	< 1,00	≤ 2,00	3,50 5,50	22,00 24,00	0,10 0,60	0,05 0,20	0,10 0,60	< 0,035

This "economical" duplex is designed for the process and construction industries (notably concrete reinforcements). It is an excellent alternative to the 1.4401/1.4404 (316L), since its corrosion resistance is at least equivalent. It offers better mechanical properties. Its composition allows a much lower alloy surcharge than that of the 316L.

Range	Grade	C	Si	Mn	Cr	Mo	N	V	P	S
● UGILEAN	UGI 4116N(*)	0,480 0,550	< 1,00	≤ 1,00	14,00 15,00	0,50 0,80	0,050 0,150	0,10 0,15	< 0,040	≤ 0,015

This grade is an alternative to 1.4125 (440C) and offers a better level of corrosion resistance.

Range	Grade	C	Si	Mn	Ni	Cr	Mo	Cu	P	S
● UGISTEAD	UGI 244(*)	< 0,08	< 1	3 5	3,5 4,5	17 18	0,2 0,5	2,0 3,0	< 0,04	< 0,01
	UGI 204Cu(*)	< 0,08	< 1,5	6,5 8,5	1,5 3	15,5 17,0	< 0,5	2,0 3,5	< 0,04	< 0,01

Grades designed for the food processing and household appliance markets. In certain environments, these grades can replace 1.4301/1.4307 (304L) and still allow an alloy surcharge that is lower and more stable over time. These grades are also interesting for the process industry due to their anti-coking properties.

2/. Stainless steels that reduce transformation costs

Range	Grade	C	Si	Mn	Ni	Cr	Mo	Cu	P	N	S
● UGIMA®	UGIMA® 4307HM	< 0,03	< 0,75	0,5 - 1,5	9,0 - 9,5	18 - 19	< 0,5	< 0,75	< 0,040	< 0,10	0,025 - 0,030
	UGIMA® 4305HM	< 0,07	< 0,75	1,5 - 2	8,2 - 9,5	17 - 18	< 0,5	< 0,75	< 0,040		0,25 - 0,35
	UGIMA® 4404HM	≤ 0,03	≤ 1	≤ 2	10 - 12	16,5 - 17,5	2 - 2,5	≤ 0,750	≤ 0,04		0,020 - 0,030

Ugitech maintains its technological advance by launching the new generation of UGIMA®. With this range you can increase your productivity by 20 to 40%.

3/. Solutions that reduce the cost of ownership

Our UGILEAN and UGIPLEX ranges are increasingly used in the construction sector to replace ordinary steels, since they ensure: durability, less maintenance and servicing a low environmental impact.

Example: Stainless steel rebars

In the automotive sector, our UGILEAN range replaces alloyed steels, since it improves engine performance and safety and helps to reduce emissions.

Examples: Exhaust F1 for exhaust lines

UGI 4105Si for electroinjectors

UGI 4542 for sensors

(*) Contact us before use.

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