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# ЗАЛЫ ДОЕНИЯ IXPRESS4+ Технические характеристики



# Bringing the best together to help farmers drive dairy efficiency

When it comes to dairying, New Zealand is known for its passionate innovators - creating and implementing new products, equipment and methods, and finding new ways to be productive and sustainable.

GEA adds a global engineering advantage to the ingenuity of New Zealand's dairy industry. We make it easy for you to get the support you need to run state-of-the-art dairy businesses, produce healthy, high-quality milk and drive efficiencies.

GEA New Zealand's comprehensive range consists of milking, stalling, dairy automation and herd management tools - all designed to make farming easier. We provide custom-built modular solutions. Each project is customised to suit your farm requirements and budget - not just for now, but into the future. Every product is manufactured in New Zealand and designed especially for pastoral farming.

GEA New Zealand products offer:

- High-end automation and high throughput at milking
- Savings on labour
- Low running and maintenance costs
- Modular upgrade options
- A cost-effective option with high-tech functionality
- Compatibility with all types and makes of milking systems.

## GEA's iXPRESS4+ Herringbone parlour

The modular Herringbone parlour is custom-built to suit your farm and your business goals.

From low-cost pastoral based production methods in New Zealand, Australia and the UK, to intensive farming methods in Europe and the US, the GEA iXPRESS4+ offers a cost-effective and high throughput solution for today's progressive dairy farmers.

Manufactured as a kitset, the GEA iXPRESS4+ is not only shipped to site ready for easy 'bolt-together' installation; upgrades are easily applied with no engineering required.

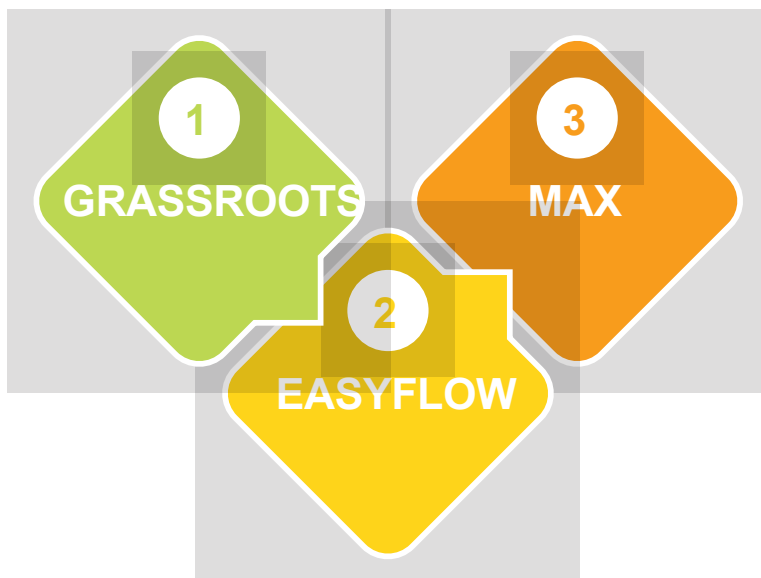
The pre-fabricated design means the iXPRESS4+ is quickly and easily bolted into position. Easy to maintain, it has proven ideal for any sized operation, from small 8-cluster

parlours through to large scale intensive farming methods and is used all over the world. The iXPRESS4+ has an automation upgrade pathway, to increase efficiency.

- Up to 50 clusters available, with the ability to milk up to 400 cows per hour
- Basic plant automation, right through to full herd management
- Designed for herd sizes - 100-700 cows
- The modular system provides flexibility for herd size and simple automation
- Pre-fabricated for quick and simple bolt-together installation
- Integrated controls ensure a one-switch operation starts the entire plant
- Easy to maintain and supported by a network of accredited GEA Service Partners
- Designed and manufactured in New Zealand; meets ISO standards for milking system design, construction and performance.

# There's a milking parlour configuration to suit your dairy operation

Three pre-configured parlour options to suit those wanting a basic parlour setup to those wanting intelligent automation features.



## iXPRESS4+ Grassroots

This entry-level, or Grassroots option gives you a future-proof parlour with the ability to upgrade in the future. With correct stall spacing and perfect cluster alignment, your cows enjoy long-term comfort in the dairy.

- Perfect positioning thanks to precision stalling
- **Classic 300 E** clusters specifically designed to accommodate narrower teat configurations
- **AutoPULS S** - single pulsator per stall
- **iASSIST** swing down jetter system for improved operator comfort, cleaning and a clear working space
- **iNTELARM+** for perfect cluster alignment (*optional*)
- **iNTELSRPAY 2** walk over teat sprayer (*optional*)



## iXPRESS4+ Easy Flow

This mid-level, or Easy Flow parlour gives you a milking system that's not only future proof, it offers optimum cow comfort and reduces worker load.

- Perfect positioning thanks to precision stalling
- **Classic 300 E** clusters specifically designed to accommodate narrower teat configurations
- **AutoPULS S** - single pulsator per stall
- **iASSIST** swing down jetter system for improved operator comfort, cleaning and a clear working space
- **iNTELARM+** for perfect cluster alignment
- **iCR+** intelligent cluster removers with Easystart lift or pull vacuum activation, for full control of the milking point
- **DeMax 55** measures milk yield flow for ideal cluster removal
- **iNTELSRPAY 2** walk over teat sprayer (*optional*)
- Or, **DemaTron60** for full monitoring and control over the milking process (*optional*)



iCR+ intelligent cluster removers, iNTELARM+ swing-over arms and iASSIST swing down jettors standard with Easy Flow



## iXPRESS4+ Max

This top-level, or Max parlour option gives you a low-maintenance platform with fully integrated herd management, milking point automation and ICAR approved milk sampling for total milking efficiency.

- Perfect positioning thanks to precision stalling
- **Classic 300 E** clusters specifically designed to accommodate narrower teat configurations
- **AutoPULS S** - single pulsator per stall
- **iASSIST** swing down jetter system for improved operator comfort, cleaning and a clear working space
- **iNTELARM+** for perfect cluster alignment
- **iCR+** intelligent cluster removers with Easystart lift or pull vacuum activation, for full control of the milking point
- **iNTELSRPAY 2** walk over teat sprayer (*optional*)
- **DairyPlan** fully functional herd management software to control automation such as; milk meters, sorting gates, feeding and weigh scales
- **DemaTron70** control panels in each bail for individual cow identification, precision milk metering, milk flow and milk yield calculations, ICAR approved milk sampling and optimum stripping functionality. Plus, the ability to draft per bail
- **AutoSelect 3000** for automate 3-way drafting via either a manual remote, EID tags, CowScout collars or DairyPlan herd management software
- **CowScout** heat detection and health management 24/7 (*optional*).










Add individual cow ID, milk metering with ICAR approved DemaTron 70 control panels



- Pre-fabricated, the equipment is quickly and easily bolted into position
- Simple operation standardises the milking process
- Single point operation reduces time and labour
- A-symmetrical cluster alignment for easy, quick and efficient milking
- New generation pulsator per milking unit - for a faster, more gentle milking-out process and improved udder health
- High throughput system, with adjustable milking techniques to ensure ultimate operator efficiencies
- Low cost of ownership and easy maintenance
- Customisable to fit your budget and farming strategy.



## iXPRESS4+ SPECIFICATIONS

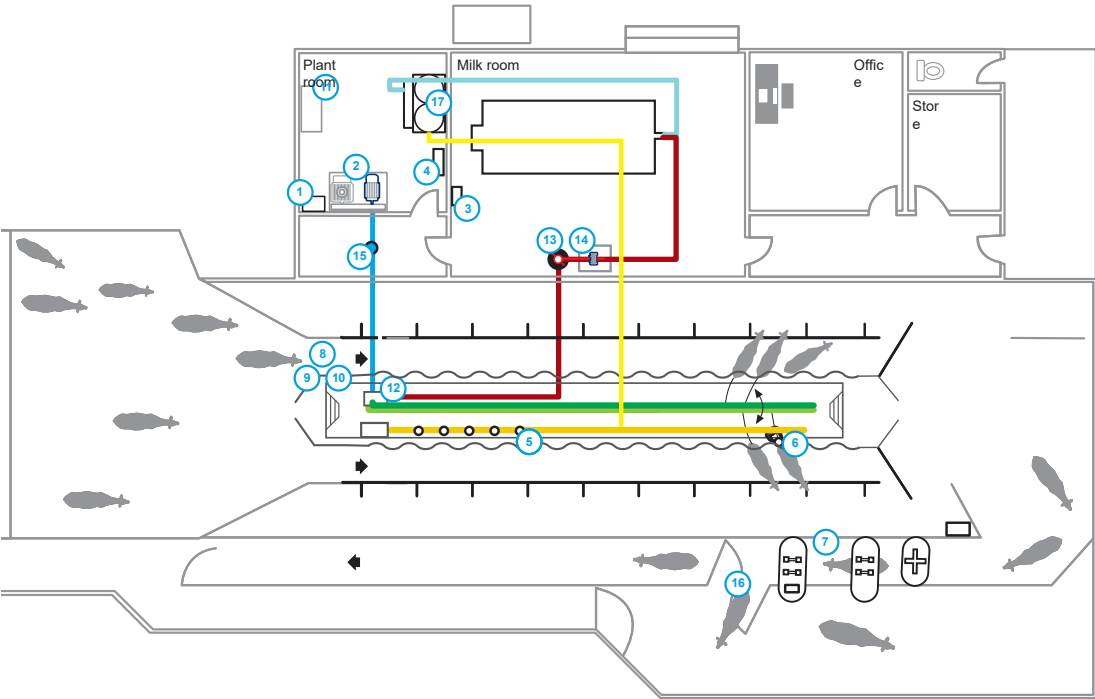
	Number of clusters	8 - 50
	No. of operators	1 - 4
	Expected milking performance	up to 400 cows / hr
	Typical herd size	100 - 400
	Automation	Basic plant automation through to full herd management
	Farming operation	Pasture based, partial mixed ration, total mixed ration
	Stalling system suitability	iCLASSIC, iISOLATOR Gates

## MILKING PERFORMANCE COWS / HOUR

Milking performance cows / hour						
Rows / hr	8.6	7.5	6.7	6	5.5	5
Row times (minutes)	7	8	9	10	11	12
No. Cows milked per hour						
8	69	60	54	48	44	40
10	86	75	67	60	55	50
12	103	90	80	72	66	60
16	138	120	107	96	88	80
20	172	150	134	120	110	100
24	206	180	161	144	132	120
26	224	195	174	156	143	130
28	241	210	188	168	154	140
30	258	225	201	180	165	150
32	275	240	214	192	176	160
36	310	270	241	216	198	180
40	344	300	268	240	220	200
44	378	330	295	264	242	220
48	412	360	320	288	262	240
50	429	375	334	300	273	250

Size of iXPRESS4+ system

# PLAN VIEW OF iXPRESS4+ MILKING SYSTEM

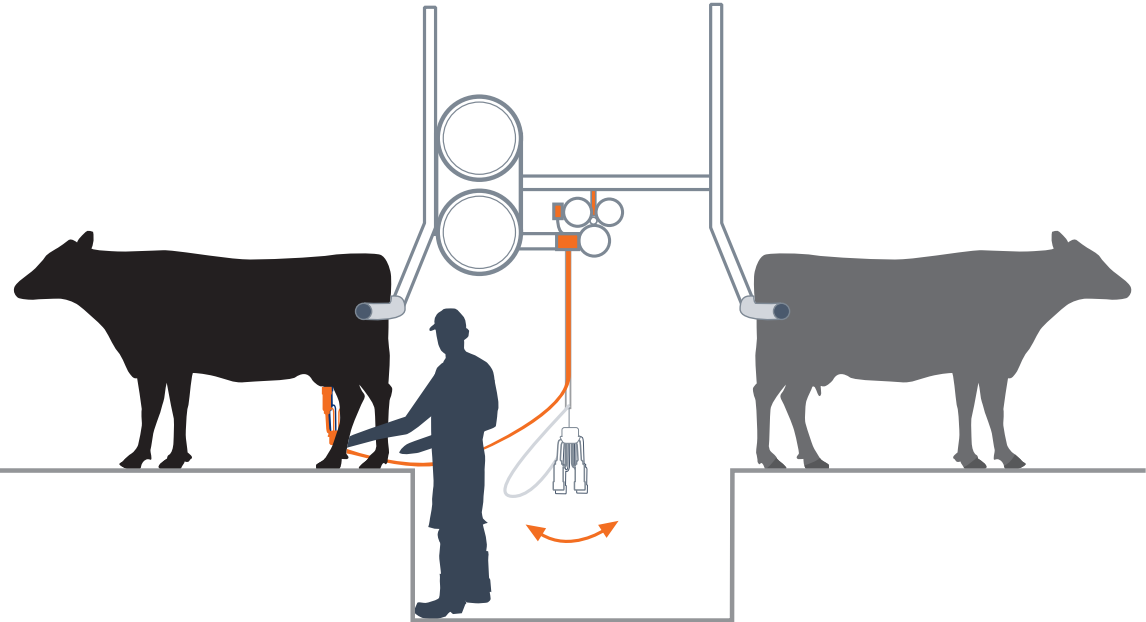


KEY:

Ref	Description
1	Vacuum On Demand™ (VOD)
2	iROTAVAC
3	CIP INTELWASH for silo
4	CIP INTELWASH for plant
5	CIP jetter
6	Milking cluster
7	iINTELSPPRA
8	iINTELGE
9	iINTELPUM
10	INTELFLOW
11	Water pump
12	Sanitary trap / receiver
13	Milk filter
14	Plate cooler
15	Regulator
16	Sorting gate
17	Hot water / wash tub

■ Milk line
 ■ Milk delivery line
 ■ Main airline
 ■ Pulsator airline
 ■ CIP jetter line
 ■ CIP recirculation line

# CROSS SECTION OF iXPRESS4+ MILKING SYSTEM



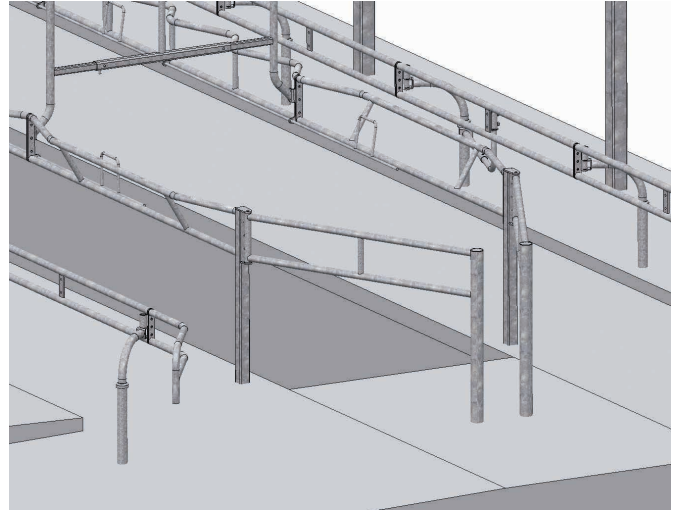
# Comfortable cows, better flow

Making sure cows are comfortable while entering, milking out and exiting the dairy is crucial. Not only to cow flow, for milking efficiency too.



## Herringbone entry

Clear, wide entry and a clear platform promotes optimum cow movement.



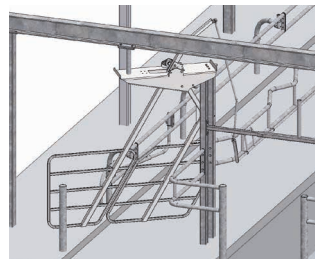
## Bail and pit

Cow and operator welfare is top-of-mind with the iCLASSIC Kitset roof-mounted Herringbone stalling.

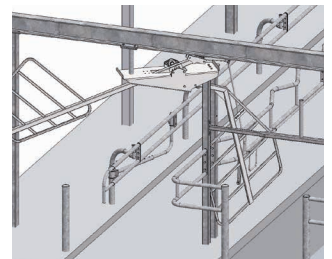


## Exit gates

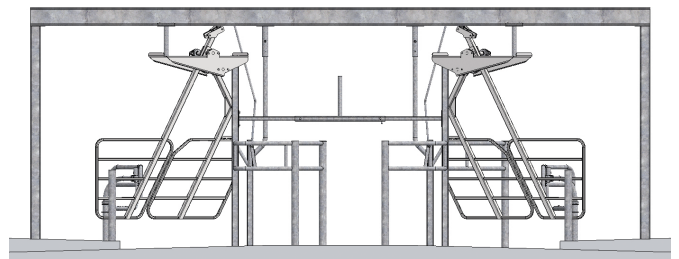
With Patented 'Gear Driven' twin gate action, cows exit freely with minimal intrusion into the pit and roof space.



iISOLATOR gate closed.

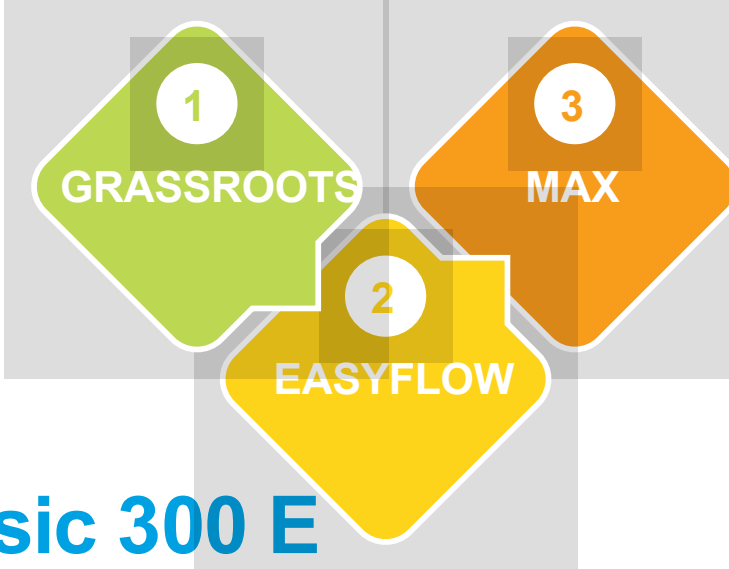


iISOLATOR gate open.



Gate end elevation.

AVAILABLE WITH:



## Classic 300 E

The right clusters to suit your herd

Considered one of the best on the market when it comes to milking efficiency, GEA Classic 300 E clusters are installed with every iXPRESS4+.

Designed to cater to the modern, high-yielding dairy cow, whose rear quarter teats are closer together, the modular Classic 300 E cluster features a closer positioning of the short milk tubes, for the perfect fit to rear quarters. The flow-promoting design supports rapid removal of milk without any detours or restrictions to flow.

*"We're very happy with GEA's Classic 300 E clusters.*

*They are a lot lighter than our old ones and support efficient cupping techniques."*

Graeme Edwards  
MILKING 250 COWS  
NORTHLAND, NEW ZEALAND

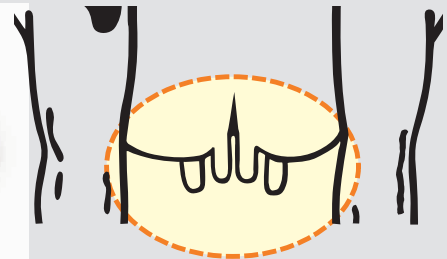


### Key features

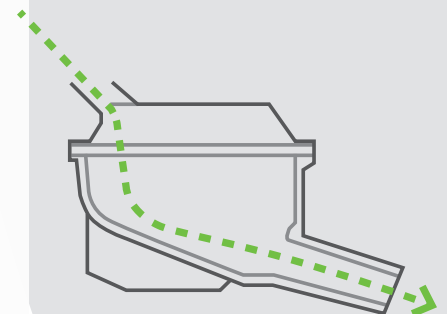
- Closer positioning of the short milk tubes provides the perfect fit for rear quarters
- Easily adaptable for different udder shapes - specifically narrower teat configurations
- Supports efficient cupping techniques
- User-friendly and lightweight for reduced operator fatigue
- Built to last from food-safe materials
- Resistant to acids and impact.



The modular design means the clusters can be adapted to different udder shapes.



For cows with narrow to normal teat position.



The flow-promoting design of the Classic 300E supports rapid removal of milk without any detours or restrictions to flow.

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