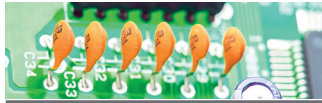


Build better with genuine Universal Instruments performance and reliability enhancements

LIST PRICE RANGE (\$K): **Low (L)** < 5, **Medium (M)** 5–10, **High (H)** 10+

LEAD TIME (WEEKS ARO): **Standard (S)** 4–6, **Extended (E)** 6–12, **Custom (C)** 12+

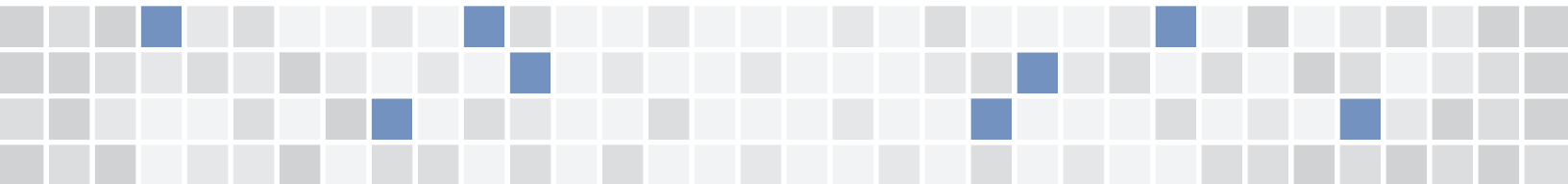
(#s) indicate which row the item is located in within the reference document



| General Upgrades & Retrofits | Description | Prerequisites/Notes |
|--|---|---|
| Extended Warranty | Protect your investment with an additional warranty package. A variety of warranty packages are available covering parts, labor and/or both. | ROI analysis; Machine in active, standard or reduced support phase. (M, S) |
| eLearning | Train operators on a variety of subjects efficiently and cost-effectively online. Classes available 24 x 7. | (L, S) |
| IM Rotary Table (1) | Improve reliability and maximize drive motor and rotary disc performance. Redesigned with improved lubrication to minimize wear and rotary table drive noise. | Requires machine software assessment (M, E) |
| Instant Recovery Kits (Spares) | Reduce downtime with critical spare parts which allow you to quickly recover after a machine issue. Kits include all of essential spare parts required to get you up and running without having to ship parts from the nearest warehouse. | A variety of kits are available; Machine model dependent. (M, S) |
| IMUPS Offline Programming (5-7) | Maintain 100% utilization by performing IMUPS programming on an offline PC | PC with Windows® 10 (L, S) |
| Rotary Table Lock Spring (16) | Reduce maintenance time with an improved, robust top-down design enabling superior access for extension spring replacement | Block dependent (L, S) |
| Touch Screen (20) | Improve ease of use by replacing your traditional monitor with an efficient touch screen monitor | Block and/or software dependent (L, S) |
| IM Hardware Kits (Spares) | Additional hardware, such as nuts and bolts, to use for machine maintenance or lost original hardware | Available for both Axial & Radial (L, S) |



| Axial Upgrades & Retrofits | Description | Prerequisites/Notes |
|---|---|--|
| VCD Multi-Part Detector (8) | Prevent tooling damage and double-component insertion by automatically recognizing when more than one component is on the chain and stopping production | VCD Only; Block dependent. (M, S) |
| VCD & Jumper Wire Head & Clinch Span Leadscrews (9-12) | Ensure a longer leadscrew life with a more reliable one-piece construction | 2 leadscrews per machine: 1 head & 1 clinch (sold separately) (L, S) |
| VCD Jumper Wire Feeder (13) | Improve high-volume reliability and robustness while reducing scrap and saving money by feeding 0.6, 0.8 or 1.0mm wire in bulk | VCD only (L, S) |
| Additional Jumper Wire Station (14) | Expand machine capability by enabling additional bulk feeding of 0.6, 0.8 or 1.0mm wire | Up to 4 per machine: 1 per 20-station sequencer module (H, E) |
| VCD/SEQ Head Chain Tension Roller Kit (15) | Superior design improves robustness and reliability | VCD only; Block dependent. (L, S) |
| VCD Head Chain Pulley Upgrade (18) | More robust design prevents slippage and breakage | VCD only; Block dependent. (L, S) |
| VCD Tooling Drop Protection (19) | Prevents damage by securing tooling during manual table movement | VCD only; Block dependent. (L, S) |
| Clinch Span Motor Retrofit Kits (21-22) | Extend the life of older machines by upgrading the obsolete motors to current production motors | JW and VCD only; Block dependent. Requires additional investment protection kit. RFQ only. (L, S) |





| Axial Upgrades & Retrofits (cont.) | Description | Prerequisites/Notes |
|---|---|---|
| Anvil Motor Retrofit Kits (23) | Extend the life of older machines by upgrading the obsolete motors to current production motors | Axial only; Block dependent. Requires additional Investment Protection Kit. RFQ only. (L, S) |
| Head Span Motor Retrofit Kits (24) | Extend the life of older machines by upgrading the obsolete motors to current production motors | Axial only; Block dependent. Requires additional Investment Protection Kit. RFQ only. (L, S) |



| Radial Upgrades & Retrofits | Description | Prerequisites/Notes |
|--|---|--|
| Radial Cardboard Detector (2) | Prevent tooling damage by detecting excess cardboard coming off of the cutter station and stopping production until it is cleared | Requires machine software assessment; Block dependent. (L, S) |
| Precision Insert Pusher (3-4) | Optimize part positioning for improved insertion accuracy with superior tooling design. Excellent for high-density or LED applications. | Two options available: standard and 3.5mm (L, E) |
| IMUPS Software Upgrades (6-7) | A variety of software upgrades are available to expand your machine capabilities up to IMUPS 9.x. Enables IMUPS programming on Windows 10 PC offline to allow for 100% machine utilization. | Block dependent (L-M, E) |
| Radial CTA Latch Holder Retrofit Kit (17) | Eliminate broken CTA springs with more robust springs with increased diameter, preventing machine downtime and helping to Improve MTBF. Helpful for handling of tall and heavy components. | Block dependent (L, S) |
| Push Button Retrofit Kits (26) | Replace obsolete square push buttons on control panels for operator ease of use | Block dependent; IMUPS 9.4.1 or higher. May require Investment Protection Kit. RFQ only. (L, S) |
| Radial Chain Retrofit Kit (25) | Upgrade radial chains and pulleys to the latest pre-lubricated production chain to eliminate breakage and downtime. A variety of kits are available. | Block dependent. RFQ only. (L, M) |

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