

**Functional Principle with DMF-P A300 NCF Type 4734A...**

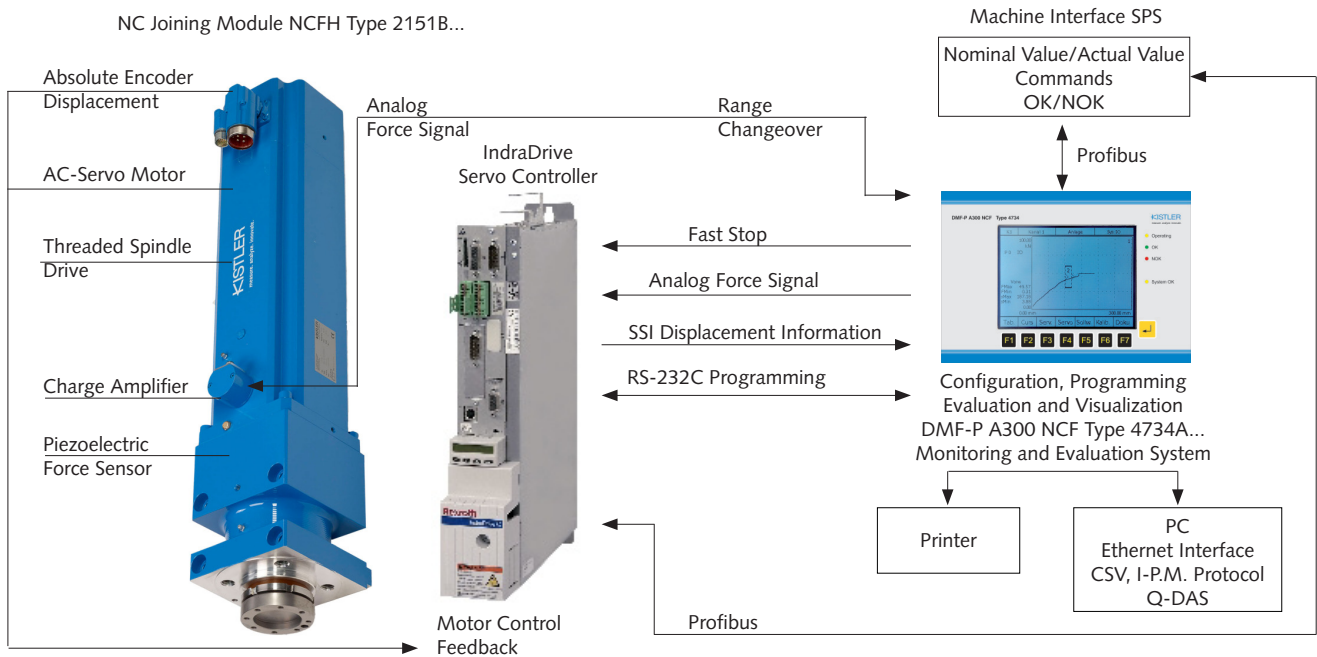


Fig. 3: Functional principle of NC joining system with NC joining module NCFH Type 2151B... and DMF-P A300 NCF Type 4734A...

**Included Accessories**

- None

**Optional Accessories**

- |   |                |
|---|----------------|
| • Servo controller for Type 2151B... with integrated safety option<br>IndraDrive 54 A PB S2 MPH07 | KSM035372      |
| • Servo controller for Type 2151B... with integrated safety option<br>IndraDrive 70 A PB S2 MPH07 | KSM035361      |
| • Evaluation unit DMF-P A300 NCF  | 4734A...       |
| • Wall housing evaluation unit  | 4734AWDY2X4... |
| • Desktop housing evaluation unit   | 4734ATDY2X4... |
| • Panel housing evaluation unit   | 4734AEDY2X4... |

**Cable**

- |  |             |
|--|-------------|
| • NCFH motor and feedback cable, length 5 m for size 1 | KSM301660-5 |
| • NCFH motor and feedback cable, length 5 m for size 2 | KSM307390-5 |
| • NCF cable SSI displacement<br>IndraDrive, length 5 m | KSM301750-5 |
| • Data cable IndraDrive, length 5 m                    | KSM301640-5 |
| • NCF cable force transmitter, length 5 m              | KSM313720-5 |
| • NCF cable analog<br>force signal, length 5 m         | KSM301760-5 |
| • NCF cable XTE, YTE<br>IndraDrive, length 5 m         | KSM314030-5 |

Other length on request.

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**Functional Principle with DMF-P A310 Universal Type 4740A...**

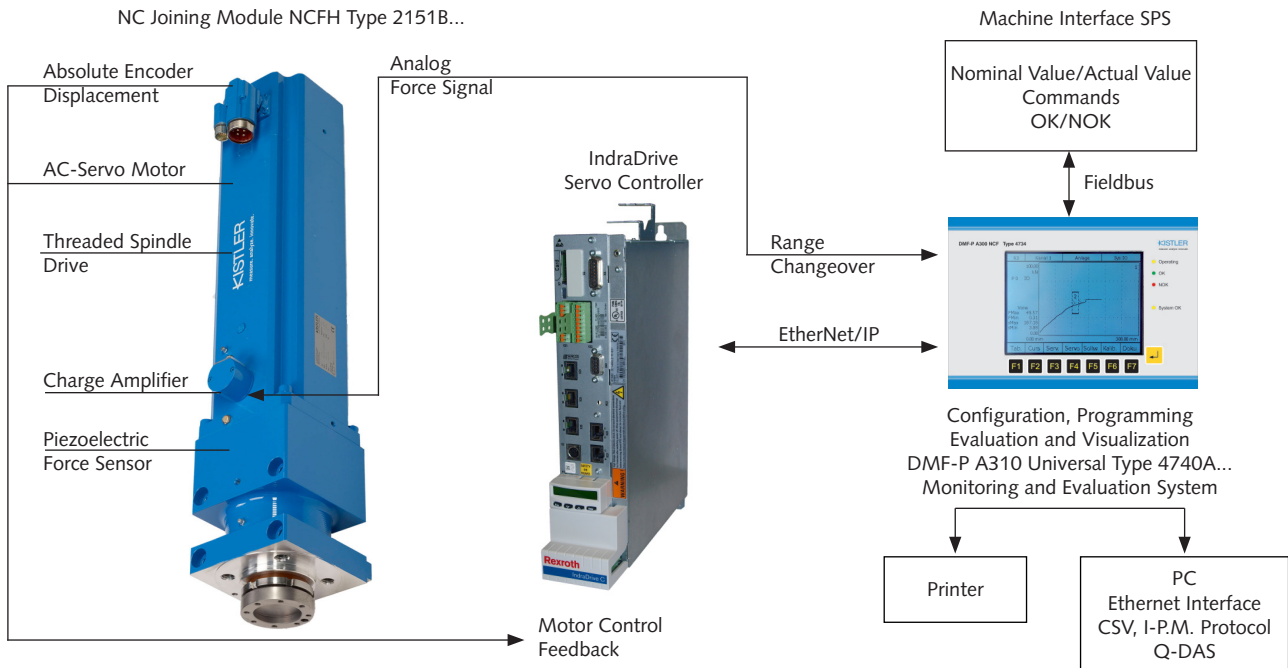


Fig. 4: Functional principle of NC joining system with NC joining module NCFH Type 2151B... and DMF-P A310 Universal Type 4740A...

**Included Accessories**

- None

**Optional Accessories**

- |  |             |
|--|-------------|
| • Servo controller IndraDrive 54 A EI S2 MPC07, NCFH 10/15/30 kN | KSM036438   |
| • Servo controller IndraDrive 70 A EI S2 MPC07, NCFH 60 kN       | KSM036446   |
| • Evaluation unit DMF-P A310 Universal                           | 4740A...    |
| • Wall housing evaluation unit                                   | 4740AWY2... |
| • Desktop housing evaluation unit                                | 4740ATY2... |
| • Panel housing evaluation unit                                  | 4740AEY2... |

**Cable**

- |  |              |
|--|--------------|
| • NCFH motor and feedback cable, length 5 m for size 1 | KSM301660-5  |
| • NCFH motor and feedback cable, length 5 m for size 2 | KSM307390-5  |
| • NCF cable force transmitter, length 5 m              | KSM313720-5  |
| • Network cable A310 EtherNet/IP, length 5 m           | KSM036457-5  |
| • Network cable A310 EtherNet/IP, length 10 m          | KSM036458-10 |
| • Network cable A310 EtherNet/IP, length 20 m          | KSM036459-20 |
| • Network cable A310 EtherNet/IP, length 30 m          | KSM036460-30 |

Other length on request.

**Type/Art. No.**

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**Functional Principle with NC Compact**

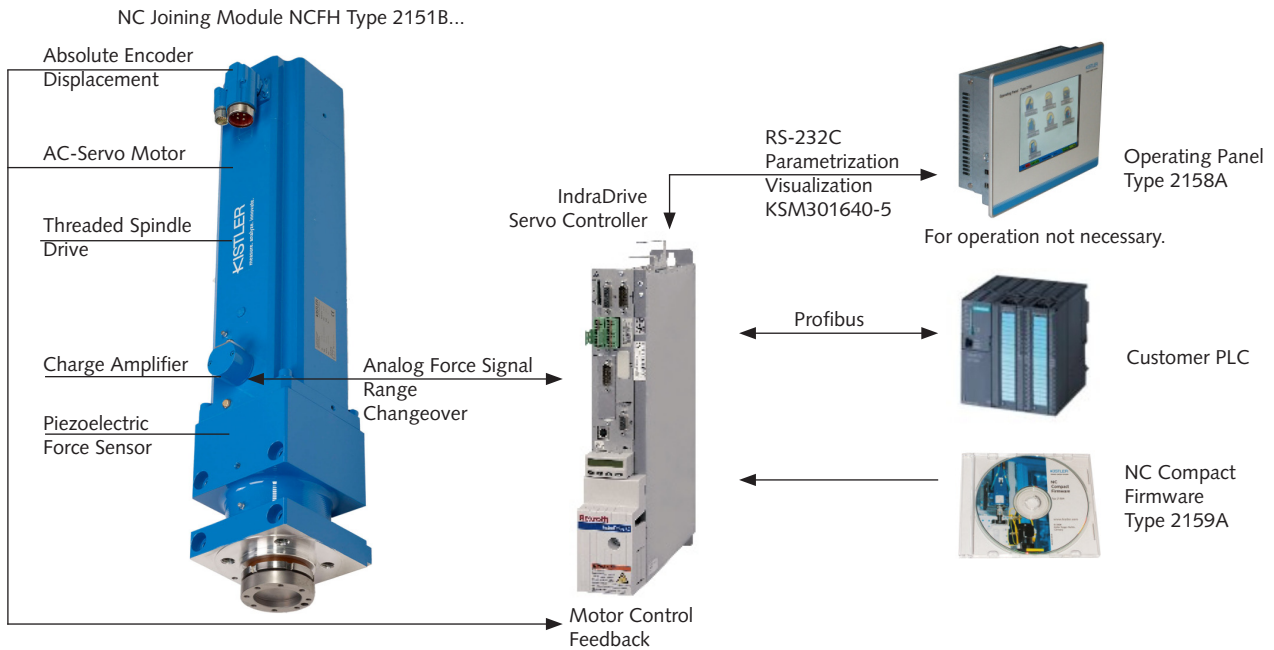


Fig. 5: Functional principle of NC joining system with NC joining module NCFH Type 2151B... and Operating Panel Type 2158A

**Included Accessories**

- None

**Optional Accessories**

- |   |           |
|---|-----------|
| • Servo controller for Type 2151B... with integrated safety option<br>IndraDrive 54 A PB S2 MPH07 | KSM035372 |
| • Servo controller for Type 2151B... with integrated safety option<br>IndraDrive 70 A PB S2 MPH07 | KSM035361 |
| • NC Compact Firmware   | 2159A     |
| • NC Compact Operating Panel  | 2158A     |

**Cable**

- |  |             |
|--|-------------|
| • NCFH motor and feedback cable, length 5 m for size 1 | KSM301660-5 |
| • NCFH motor and feedback cable, length 5 m for size 2 | KSM307390-5 |
| • Data cable IndraDrive, length 5 m                    | KSM301640-5 |
| • NCF cable force transmitter, length 5 m (NC Compact) | KSM313710-5 |

Other length on request.

Note:  
Other Fieldbus Interfaces e.g. EtherNet/IP, Profinet, etc. on request.

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**Application Example**

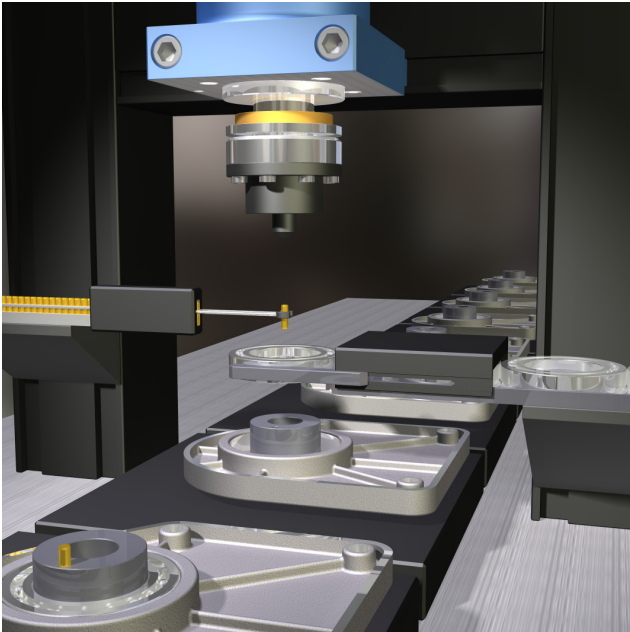


Fig. 6: Application example for joining process of bearing and pin

**Ordering Key**

Type 2151B

Meas. range 1	Meas. range 2	Stroke	Size	
2 kN	1 kN	200	1	02012001
5 kN	1 kN	200	1	05012001
5 kN	2 kN	200	1	05022001
10 kN	1 kN	200	1	10012001
10 kN	2 kN	200	1	10022001
10 kN	5 kN	200	1	10052001
15 kN	2 kN	200	1	15022001
15 kN	5 kN	200	1	15052001
30 kN	15 kN	400	2	30154002
60 kN	30 kN	400	2	60304002
60 kN	15 kN	400	2	60154002

**Ordering Example**

**Type 2151B05022001**

NC joining module NCFH **Type 2151B...**, measuring range 1: **5 kN**, measuring range 2: **2 kN**, stroke: **200 mm**, overall size: **1**

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