



Reference List
BETH® Wet/Tar-Electrostatic Precipitator
for Steel Plants



BETH® Filter GmbH

Environmental Protection and Air Cleaning Systems
In Lübeck since 1887





| Customer | Dust source | Flow rate [Am ³ /h] | Filter type | Notes |
|--|--|-----------------------------------|-----------------|--|
| Duisburger Kupferhütte Duisburg | Converter gas dedusting | 50,600 | W153-30-3 | Aerosols, Dust Temp: 45 deg C |
| Hoesch Westfalenhütte Dortmund | Hot scarfing mill UCC CM 58 A | 102,000 | N456-40-115 | Material: Carbon steel Temp: 45 deg C |
| Skoda-Werke CSFR | Hot blast furnace | 42,000 | N187-40-3 | Aerosols, Dust Temp: 58 deg C |
| HOAG Hüttenwerk Oberhausen | Hot scarfing mill UCC CM 52 A | 81,000 | N396-40-12 | Material: Steel Temp: 45 deg C |
| Sinterbims GmbH Ponholz/Opf. | Sintering belt | 60,000 | W187-40-5 | Aerosols, Dust Temp: 60 deg C |
| Ostslowakische Eisenwerke CSSR-Kosice | Hot scarfing mill | 206,000 | N444-40-115 | Aerosols, Dust Temp: 40 deg C |
| Mannesmann AG Hütte Duisburg- Plant Grillo Funke | Scarfing mill | 48,000 | N286-40-115 | Aerosols, Dust Temp: ca. 40 deg C |
| Stahl-Röhrenwerk Düsseldorf Germany | Scarfing machine | 37,100 | N210-40-3 | Aerosols, Dust Temp: 37 deg C |
| Hüttenwerke Galatz Rumanian | Hot scarfing machine UCC CM 68-6 | 209,000 | HN2-24-45-600 | Material: Steel slab Temp: 35 deg C |
| Stahlwerk UNINSA Gijon Spain | Hot scarfing machine UCC CM 68-5 | 206,700 | HN2-24-45-600 | Material: Steel slab Temp: 35 deg C |
| Krupp Stahl AG Plant Rheinhausen Bochum, Germany | Scarfing machine UCC CM 69-7-1 | 177,000 | 2x N408-10-9 | Material: Steel slab Temp: 36 deg C |
| Kombinat Siderurgic R-Hunedoara | Hot scarfing machine UCC CM 58 C | 100,000 | N508-40-86 | Material: Steel slab Temp: ca. 40 deg C |
| Hoesch AG Plant Phoenix Dortmund-Hoerde | Hot scarfing machine | 55,000 | N456-40-115 | Material: Steel slab Temp: 40 deg C |





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| Hoesch AG Plant Phoenix Dortmund-Hoerde | Scarfig machine | 75,000 | N376-40-86 | Material: Steel slab Temp: ca. 40 deg C |
| Fiat Teksid Turin Italy | Hot scarfig machine UCC CM 58 | 80,000 | N340-50-10 | Material: Steel slab Temp: 36 °C |
| Fiat Teksid Turin Italy | Hot scarfig machine UCC CM 61 | 120,000 | N510-50-10 | Material: Steel slab Temp: ca. 40 deg C |
| Thyssen AG, Duisburg, Germany Plant Bruckhausen | Hot scarfig machine UCC CM 68-5 | 170,000 | 2x N376-40-86 | Material: Steel slab Temp: 36 deg C |
| Hüttenwerke Tirgoviste R-Tirgoviste | Hot scarfig machine UCC - CM 58 B | 85,000 | N380-40-86 | Material: Steel slab Temp: 40 deg C |
| Hoesch AG Plant Dortmund Germany | Hot scarfig machine UCC CM 68-6-2 | 170,000 | 2x N420-40-86 | Material: Steel slab Temp: 40 deg C Guarantee: 15 mg/Nm ³ . |
| Thyssen AG, Duisburg Plant Ruhrort | Hot scarfig machine UCC CM 40 | 120,000 | N570-40-86 | Material: Steel slab Temp: 40 deg C |
| Mannesmann AG Hüttenwerke Plant Duisburg | Hot scarfig machine UCC CM 27 | 144,000 | 2x N376-40-10 | Material: Steel slab Temp: 30 deg C |
| Hüttenwerke Galatz R-Galatz | Hot scarfig machine 2 x UCC CM 69 | 288,000 | 2x 2N376-40-86 | Material: Steel slab Temp: 40 deg C |
| Hoesch AG Plant Dortmund Germany | Scarfig machine UCC CM 69-7-2 | 155,000 | 2x N376-40-86 | Material: Steel slab Temp: ca. 40 deg C Guarantee: 15 mg/Nm ³ |
| Demag AG for VR China | Scarfig machine UCC CM 69-7-1 | 288,000 | 3x N510-40-86 | Material: Steel slab Temp: 40 deg C |
| Messer-Griesheim GmbH Frankfurt, Germany | Scarfig machine V 11 | 25,000 | B508-40-6 | Material: Steel slab Temp: 40 deg C |





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| Fiat Teksid Turin Italy | Cutting machine | 43,000 | N272-40-100 | Material: Steel Temp: 50 deg C |
| Hüttenwerke Resita R-Resita | Hot scarfing machine UCC CM 71-2 | 144,000 | 2x N376-40-86 | Material: Steel slab Temp: 40 deg C |
| Hüttenwerke Cimpia R-Turzii | Scarfing machine UCC CM 58 A | 94,000 | N508-40-86 | Material: Steel slab Temp: 40 deg C |
| Hüttenwerk Hunedoara R-Hunedoara | Scarfing machine UCC CM 58 B | 94,000 | N508-40-6 | Material: Steel slab Temp: ca. 40 deg C |
| Klöckner-Werke AG Plant Bremen | Scarfing machine UCC CM 69-6-1 | 110,000 | N508-40-10 | Material: Tube steel Temp: 40 deg C |
| Mannesmann AG Hüttenwerke Werk Huckingen | Scarfing machine | 140,000 | 2x N420-40-105 | Material: Steel slab Temp: 50 deg C |
| Krupp Stahl AG Bochum Germany | Cutting machine | 80,000 | N508-40-10 | Material: Steel slab Temp: ca. 30 deg C |
| Mannesmann- Demag für VR China | Tube conti mill | 90,000 | HN2-19-30-60 | Temp: 40 deg C |
| Hoogovens B.V. Ijmuiden Netherlands | Hot scarfing machine | 70,000 | N376-40-98 | Material: Steel slab Temp: ca. 40 deg C |
| Preussag-Boliden- Blei GmbH Plant Nordenham | Slag granulation | 12,000 | N91-50-11 | Temp: 20 deg C Guarantee: 10 mg/Nm ³ |
| Krupp Stahl Plant Bochum Germany | Pantile flushing | 80,000 | N508-40-10 | Aerosols, Dust Temp: 20 deg C |
| Stahlwerk Peine-Salzgitter Germany | Coke oven gas | 17,000 | T109-30 | Tar Temp: 20 deg C |





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| Schloemann-Siemag AG for UdSSR | Scarfig machine UCC CM 58 A | 108,000 | 496-40-86 | Material: Steel slab Temp: ca. 40 deg C |
| Voest Alpine AG A-Linz | Coke oven gas | 1,000 | T13-30-70 | Temp: 30 deg C Guarantee: 5 mg/Nm ³ |
| BWG GmbH for HOESCH Germany | Cutting machine | 151,200 | 2x N340-40-10 | Material: Steel slab Temp: ca. 40 deg C |
| Voest-Alpine GmbH, A-Linz für CSC Taiwan | Scarfig machine | 186,000 | 2x N476-40-86 | Material: Steel slab Temp: ca. 40 deg C |
| Voest-Alpine GmbH, A-Linz für Edimir/Türkei | Scarfig machine | 60,000 | N300-40-86 | Material: Steel slab Temp: ca. 40 deg C |
| Stahlwerke Peine-Salzgitter Germany | Coke oven gas | 84,240 | 4x T109-35 | Temp: 20 deg C |
| Voest Alpine GmbH, A-Linz for EWK, Witten | Cutting machine | 60,000 | 2x N210 40-105 | Material: Chromium nickel steel Garantie: 10 mg/Nm ³ |
| LOI, Industrie- ofenanlagen for Posca, Korea | Coke oven gas | 2,900 | T13-40-98 | Tar, Dust Temp: 25 deg C Guarantee: 5 mg/Nm ³ |
| ALZ Stahlwerke Genk Belgium | Cutting machine | 66,000 | N456-40-105 | Material: Chromium nickel steel Guarantee: 10 mg/Nm ³ |
| Suoftec Light Metal Products Tatabánya/Ungarn | Stamping machine | 80,000 | 2x N121-40-11 | Oil mist Temp: 30 deg C Guarantee: 20 mg/Nm ³ |
| Nova hut a.s. Ostrava / Tschechien | Tandem furnace Secondary suction | 3 x 500,000 | 3x N288-45E25-110 | Metal oxides Temp: 60 deg C Guarantee: 25 mg/Nm ³ |
| Nova hut A.S. Ostrava / Tschechien | Tandem furnace Secondary suction | 625,000 | 5x N288-45E25-110 | Metal oxides Temp: 60 deg C Guarantee: 25 mg/Nm ³ |





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| DSK-Herne Kokerei Prosper Duisburg, Germany | Coke oven gas | 30,000 | T85-50R25-100 | Tar, Aerosols, Dust Temp: 25 deg C Guarantee: 10 mg/Nm ³ |
| Bravida, S- Boras for Avesta Polarit Stainless Oy | Hot rolling machine | 163,000 | 2N408-50E25-110 | Metal oxides Temp: 50 deg C Guarantee: 10 mg/Nm ³ |
| Hüttenwerke Krupp Mannesmann, Duisburg, Germany | Slag plant | 160,000 | 2N340-40-10 | Dust Temp: 70 deg C Guarantee: 50 mg/Nm ³ |
| Zentralkokerei Saar GmbH Dillingen, Germany | Coke oven gas | 91,300 | T485-40R25-130 | Tar, Aerosols, Dust Temp: 25 deg C Guarantee: 10 mg/Nm ³ |
| Zentralkokerei Saar GmbH Germany | Coke oven gas | 85,000 | T485-40R25-130 | Tar, Aerosols, Dust Temp: 25 deg C Guarantee: 10 mg/Nm ³ |
| MAN Ferrostaal TKS Steel mill USA | Roughing mill Finishing mill | 60,000 200,000 | 2N236-40R25-125 2N600-50R25-135 | Aerosols, Particles Temp: 50 deg C Guarantee: 10 mg/Nm ³ |
| INGEMAS S.A. for ArcelorMittal ES-Gijon | Scarfig machine | 250,000 | 2N486-50E25-135 | Iron dust, Aerosols Temperature: 50 deg C Guarantee: 15 mg/Nm ³ |

