

Look. Listen. Do!
Intelligent steelmaking.



Look.



Listen.



Do!

Course Outline

Rolling Technologies for Long Products



BSE
ACADEMY
Education for Excellence

Course Outline

Rolling Technologies for Long Products



What it is

A training seminar with systematic repetition / expansion of knowledge for supervisors, production and maintenance managers respectively fresh graduates – in theory and practice dedicated to the process of rolling long products. This training course also answers the basic questions and delivers the necessary technical information needed to manage (understand, lead and make decisions) a rolling mill.

Who it is for

Production managers, supervisors, shift leaders and fresh graduates who wish to gain an understanding of basic concepts about rolling and how to assure quality in the rolling process.

What is required

Pre-qualification: Suitable for fresh graduates as well as experienced engineers and technicians.

What is in it

- Basic Rolling: Forming by hot rolling, law of continuity
- Process Control: Tension control, looper, shears, pinch rolls, start up of sizes, checks during rolling, characteristics of different materials in combination with different roll materials
- Pass Design: Oval & round, square & diamond, pass design for slitting, pass design for profiles
- Quality Assurance: Properties (mechanical, geometrical), defects
- Visit of Rolling Mill / Badische Stahlwerke (BSW)



Duration

3 days

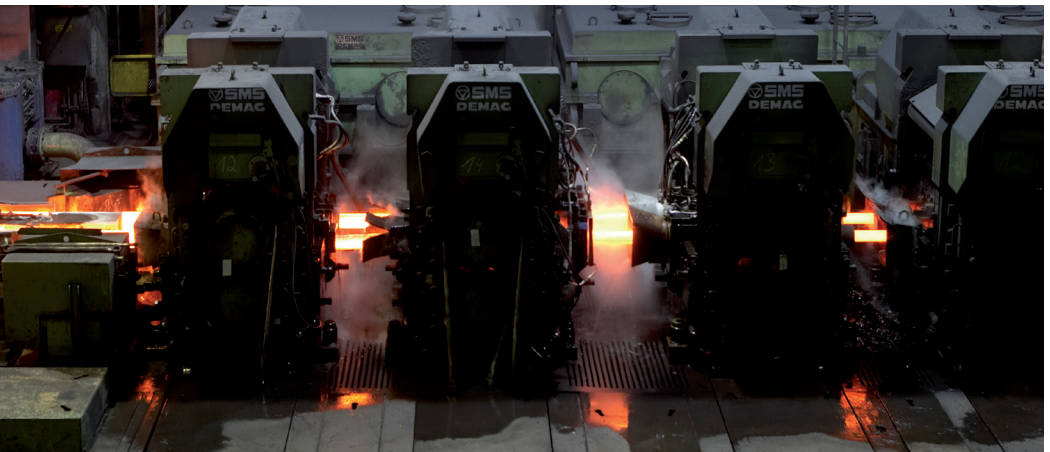
Course language

English

Detailed Program

	Day 1	Day 2	Day 3
Morning	<ul style="list-style-type: none">- Introduction- BSW safety instructions- BSW plant tour	<ul style="list-style-type: none">- Basic rolling 2- Process control	<ul style="list-style-type: none">- Quality assurance- Preparation of stands & guides
Afternoon	<ul style="list-style-type: none">- Basic rolling 1	<ul style="list-style-type: none">- Pass design- Change & start-up	<ul style="list-style-type: none">- BSW rolling mill- Closing discussion

Look forward to additional evening events that will enrich the program.



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Your key lecturers

Christoph Laufkoetter

- Diploma Degree Mechanical Engineering/Dipl.-Ing.
- Senior Project Manager Consulting
- Specialist in Rolling Mills (long products) and Mechanical Maintenance
- Head of workshops/hands-on seminars



After 7 years of employment as a project manager for new equipment in rolling mills at the company Salzgitter AG Christoph Laufkoetter joined BSE as a project manager consulting in 2002. He is responsible for mechanical maintenance (general layouts and equipment inside rolling mills), process and production (material flow, hot charging, infrastructure, technique and technology of rolling mills) and training for employees of all hierarchy levels (from hands-on seminars on site to management seminars at our training centre).

Dirk Riedinger

- Diploma Degree in Electrical Engineering/Dipl.-Ing.(FH)
- Senior Manager Consulting
- Electrical Engineering
- Maintenance



Since 1995 employed at BSE, Dirk Riedinger is presently in the position of a senior manager consulting electrical engineering, maintenance. He has participated in more than 60 consulting projects in steel plants and rolling mills worldwide. On the electrical side Dirk Riedinger's fields of responsibility cover the analysis, assessment and conception of complete steel plant power supply and automation facilities. On the maintenance side he executes similar consulting projects to explore in general the optimisation potentials of customer maintenance systems. Further activities are in the area of AC and DC electric arc furnace power input optimisation, including power measurements and computer simulations. Dirk Riedinger has published several technical articles covering his fields of responsibility.

William Kane-Garcia

- Mechanical and Administrative Engineer (Mexico)
- M. Sc. in Metallurgy (Germany)
- Ph.D. Research project between Industry and University (Germany);
subject: Direct Hot Rolling of stainless steel strip



After working as a non-destructive testing engineer at a DRI plant, William Kane-Garcia joined BSE as a Project Manager Consulting Rolling Mill in July 2010 and is presently involved in the BSW wire mill revamp project at BSW.

BSE ACADEMY

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