



BLOCKMAKERS WORKSHOP® 2019

Advanced Concrete Masonry Technology*

16-20 Sep 2019

In this class students will cover specialty products such as segmental retaining walls, core puller produced products, pavers, advanced architectural products as well as an in-depth look at material variegation/ blending of colors to create a unique product appearance. All machine types will be covered such as cam type, Servopac® and competitive equipment (plate vibration / large pallet equipment). We will cover pertinent ASTM specifications for specialty products, recycled materials and their use in our industry. This class is well suited for concrete technicians, quality personnel or advanced machine operators. Course limited to 10 students, register early!
Price: USD \$1050

*Prerequisite: Concrete Masonry Technology

NEW! Advanced Servo Vibration/ Servo Main Drive

26-28 Mar 2019

The Advanced Servo Vibration/Servo Main Drive course focuses on how the system smooths out the entire machine cycle while improving filling of the mold, reducing mold wear and increasing productivity for a range of products including block, segmented retaining walls, pavers and flat products. Students will receive hands-on instruction on adjusting the ASV/SMD for producing a variety of products and training for enhancing their troubleshooting and machine adjustment skills on a Vibrapac® concrete products machine. Price: USD\$800

Advanced Vibrapac® *

28 Jan - 1 Feb 2019

The Advanced Vibrapac course provides more extensive hands-on work for practical application in concrete products production, both mechanical and electrical. Students are required to adjust a concrete products machine to low height and to manufacture concrete products in class. Electrical sessions cover Allen-Bradley programmable controllers. Greater concentration is applied to schematic print reading and ladder logic diagnosis. Price: USD \$1050 *Prerequisite: Vibrapac®

Concrete Masonry Technology

**4-8 Mar 2019
9-13 Sep 2019**

Concrete Masonry Technology covers all aspects of manufacturing concrete products.

In an easy-to-follow structured format, the class covers raw material components (cement, water, aggregate, admixtures and pigment), hands-on aggregate sieve analysis, multi-aggregate blending, mix designs, manufacture of product and curing fundamentals. It really is the complete package which will

produce an immediate impact within your operations. Upon completion of the class, students will have a working understanding of all aspects of raw materials, mixing sequence, mix designs and curing to champion this knowledge when they return to their facilities.

Price: USD \$1050

**Become a
Master Blockmaker®
by completing 5
Blockmakers Workshop**

Electronic Controls*

4-8 Feb 2019

The Electronic Controls course includes an in-depth study of electrical wiring and programmable logic controllers. Applications and troubleshooting for Allen-Bradley programmable controllers are studied. Practical applications and troubleshooting will be covered on concrete products machines, Multi-Spade Besser-Matic loader/unloaders and cubers. Price: USD \$1050

*Prerequisite: Vibrapac or Product Handling

Executive Session

23-25 Jul 2019

The Executive Session is a condensed version of the Concrete Masonry Technology and Vibrapac® Blockmakers Workshops® tailored to upper management. New products, programs and current issues are also discussed in a round-table format with industry executives and professionals. Price: USD \$800

Note: The Executive Session does not qualify for Master Blockmaker certification.

Product Handling & Curing

**18-22 Mar 2019
14-18 Oct 2019**

The Product Handling course covers all aspects of the handling once product has been manufactured. Adjustments, schematic print reading and solid state circuitry is covered for: E-Model & Multi-Spade Besser-Matic loaders/unloaders, LSC & PTS handling systems, curing systems, depalleters, turnovers and splitters, and both semi and fully automatic cubers. The curing session will give students an understanding of why we cure product and the benefits of proper curing fundamentals. Price: USD \$1050

Vibrapac®

**11-15 Mar 2019
7-11 Oct 2019**

The Vibrapac concrete products machine course is a hands-on study of the proper machine adjustments, electronics and electrical schematic print reading of the V3 Vibrapac concrete products machines. Students are given troubleshooting problems as a practical application of these topics. Price: USD \$1050

*Prerequisite required for these courses:

Advanced CM Tech - CMT required

Advanced Vibrapac - Vibrapac® required

Electronic Controls - Vibrapac® or Product Handling

750 Woodward Avenue ■ Alpena, MI 49707 USA
Register online wcct.net or by fax +1.989.341.3515



BLOCKMAKERS WORKSHOP® 2019

JANUARY

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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Advanced Vibrapac®

FEBRUARY

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Electronic Controls®

MARCH

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Concrete Masonry Technology
Vibrapac®
Product Handling & Curing
Advanced Servo Vibration

APRIL

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MAY

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JULY

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Executive Session

AUGUST

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SEPTEMBER

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Concrete Masonry Technology
Advanced Concrete Masonry Technology

OCTOBER

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Vibrapac®
Product Handling & Curing

NOVEMBER

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DECEMBER

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